Journal of the American Association of Clinical Chemistry

Volume 37, 1991 **AUTHOR INDEX**

Abano, Darla A.; Mathews, Rachel; Keller, Charles; Markese, James; Butler, Mary; Berry, Dan; Fabian, Karri; Hiltibran, Glen; Jou, Yi-Her; Lagocki, Peter; Stroupe, Steve,

Abdul-Ahad, Wajdi G.; Luther, Clarence; Terakawa, Grace; Ashby, C. Dennis; Knight, William, 1018

William, 1018

Abe, Akira; Nishimura, Takashi; Noma, Akio; Hamano, Kyoko, 1345
Abe, Toshio See Usui, Akihiko
Abirami, S. See Goldstein, Phillip
Aboona, Lina See Torké, Narayan S.
Abrams, Billy See Toffaletti, John

Abruzzini, Anthony F. See Oberhardt, Bruce

Abruszini, Anthony F. See Oberhardt, Bruce J.

Abunimeh, Noman See Khalil, Omar S.
Ackermann, H. See Chen, J.
Acrey, Charlotte See Shoemaker, B.
Adachi, Kyoko See Horiuchi, Kentaro
Adamczyk, Maciek See Harrington, Charles
A.; See Hartter, Daryl E.; See Hruska, Bob
Adamovich, Jody See Shoemaker, B.
Adams, C. See Becker, Janice
Addiego, L. A. See Munro, C. J.
Adiletto, Carol See Miller, W. Greg
Adiletto, Carol A. See San George, Richard C.
Agape, Vittorio See Mosca, Andrea
Agardh, C.-D.; Agardh, E.; Isaksson, A.;
Hultberg, B., 1696
Agardh, E. See Agardh, C.-D.
Agarwal, Raghunath P.; Podlasek, Stanley J.,
917; See Zepeda, Hector
Agee, Kimberlee A. See Shahangian, Shahram
Aggarwal, Suresh K. See Herold, David A.; See
Herold, David A.; See Herold, David A.; See
Herold, David A.; See Herold, David A.

See MacNamara, E. M.

Aguzzi, Francesco See Brustolin, Domenico
Ahmad, Suhail See Malik, Sohail; See Malik,

Aho, Kimmo See Ailus, Kirsi Ailus, Kirsi; Melamies, Liisa; Tuomi, Tiinamaija; Palosuo, Timo; Aho, Kimmo, 1766

Ainslie, Michael See Voss, Ellen Aitken, D. See Davies, C. J. Akama, Hideto See Tanaka, Hirotoshi Akerkar, Anand, 109 Akers, L. C. See Orsulak, P. J.; See Orsulak, P.

Akhabue, B. E. See Hernandez, Marta R.; See Siemon, Peggy Akhabue, Beatrice E.; Hernandez, M. R.; McNally, A. J.; Siemon, P.; Salamone, S. J.,

1006

Akins, James R. See Bernert, John T., Jr.
Akpalaba, Charles See Salami, Christopher
Al-Fawaz, I. See El-Hazmi, M. A. F.
Al-Harakati, M. See El-Hazmi, M. A. F.
Al-Momen, A. K. See El-Hazmi, M. A. F.
Al-Sheibani, Said See Knapp, Martyn L.
Al-Sultan, A. I. See Nassar, B. A.
Alarie, J. P. See Vo-Dinh, T.
Albers, J. J. See Levine, Daniel M.
Albers, John J. See Marcovina, Santica M.
Albertini, Alberto See Mantero, Giovanni
Albright, Ann L. See Ward, Kory M.
Alcade, K.; Krater, J.; Robbins, D.; Kiang, W.;
Lue, Y.; Alexander, R.; Campbell, C., 1043
Alcock, Nancy W.; Ramanujam, V. M.
Sadagopa, 987 Akins, James R. See Bernert, John T., Jr.

Alderman, Michael H., 1885 Alebardi, Olga See Panteghini, Mauro; See

Pantaghini, Mauro
Alessi-Severini, S.; LeGatt, D. F.; Pasutto, F.
M.; Jamali, F.; Coutts, R. T., 111
Alexander, D. See Hutton, J.
Alexander, N. J. See Haque, D. H.
Alexander, R. See Alcalde, X.

Alexander, R. See Alcane, A. Alexander, Roy L., Jr. See Hoare, Ismael A.; See Werries, Annette L. Ali, A. See Coleman, C. Alimagno, B. V. See Swartz, J. Alkadi, Zaid Y. See Oberhardt, Bruce J.

Allain, P. See Turcant, A. Allain, P. See Turcant, A. Allannic, Hubert See Massart, Catherine Alsayed, Naji; Rebourcet, Regis, 387 Alsayrafi, Mohamed See Fenton, John

Altaffer, Marcia B. See Kaufman, Harvey W. Attman, R. E.; Duvall, R. M.; Proctor, A. S.; Black, L. A.; Littlefield, M., 1012 —; Duvall, R. M.; Brown, T. J.; Proctor, A. S.; Mandichak, J. J., 928

Altmiller, Dale H.; Casey, Paula; Rickard, Robert C., 1055 Altura, B. M. See Altura, B. T.; See Altura, B.

Altura, B. T.; Dell' Orfano, K.; Yeh, Q.; Barbour, R. L.; Young, C. C.; Hiti, J.; Welch, R.; Shirey, T.; Altura, B. M., 948 —; Altura, B. M.; Tranbaugh, R. F.; Zisbrod, Z.; Burack, J.; Barbour, R. L.; Cunningham, J.

N., 1070

Alvarez, W. See Regan, J.

Alvaréz, W. See Regan, J.

Amano, S.; Yoshida, T.; Fujii, S.; Nakajima, K.;
Miyake, K.; Hayashi, T.; Cho, H.; Shiba, K.;
Tomura, S.; Kino, J., 1026

Ambler, J. See Core, J.

Amende, L. A. See Chao, F.-F.

Amino, Nobuyuki See Maeda, Ikuhiro; See
Takeoka, Keiko

Ammann, Hélène; Vinet, Bernard, 2139

Anastassiades, T. See Lyon, A. W.

Anderson, Alfred See Otvos, James

Anderson, Alison See Christofides, Nicos

Anderson, David; McConnell, Joseph, 959

Anderson, Donna; McComb, Robert; Bowers,
George, Jr.; Hill, Dennis, 993

Anderson, Johna; McComb, Kobert; Bowers George, dr.; Hill, Dennis, 993 Anderson, Geoffrey; Scott, Milda, 398 Anderson, Geoffry; Coletti, Angela; Dino, John; Foley, Tom; Golkar, Sholeh; Miao, Ru-Lan; Paez, Sonia; Patel, Ashok; Scott, Milde 900 Milda 999

Anderson, N. Leigh, 1096 Anderson, Peter H.; Stickel, Steven A., 912 Anderson, Phil; Hilton, Diane; Kolanda, Susan, 1036 Paulins, Mike, 956

—; Paulins, Mike, 956
Anderson, R. See Bruni, J. F.
Anderson, S. M. See Chimera, J. A.
Anderson, T. See Otvos, J. D.
Ando, Kenji See Togashi, Kazuyoshi
Andriamahatratra, R. See Gouget, B.
Andriamahatratra, R. See Gouget, B.
Andriamahatratra, R. See Gouget, B.
Angele, Carolyn; Oster, Thierry; Visvikis,
Athanase; Michels, Jean-Marc; Wellman,
Maria; Siest, Gérard, 662
Angotti, Elvira See Colonna Alfredo.

Angotti, Elvira See Colonna, Alfredo Angstadt, D. S. See Witte, D. L. Anne, Lakshmi; Forni, Theresa; Gottwald, Ken. 998

Anosike, E. O. See Ekeke, G. I.

Antonian, E. See Hernandez, Marta R.; See

Antonian, E. See Hernandez, Marta K.; See
McNally, A. J.

—; McNally, A. J.; Ng, C. F.; Twarowska, B.;
Vitone, S. S.; Warsheski, J. O.; Salamone, S.
J., 1000; See Twarowska, B.

Aoki, Tsugutoshi See Ihara, Hiroshi
Abi, V

Aoki, Yaugutoshi See Ihara, Hiroshi Aoki, Yutaka See Ihara, Hiroshi Appelqvist, R. See Tsay, Y. G. Apple, Fred S. See Bilodeau, Laura L.; See Googins, MaryKay; See Hyde, John E. —; Helseth, Peter H.; Preese, Lynne M., 909 Appleqvist, Roger See Tsay, Yuh-geng Arabshahi, L.; Goetze, A.; Hui, R.; Stoecker, P.; Subuhi, H.; Sundoro-Wu, R.; Salamone, S. J., 995

Arakawa, H. See Tsuji, A. Arakawa, Hidetoshi; Maeda, Masako; Tsuji,

Archibald, B. L. See Hutton, J. Arciaga, R. See Hutton, J. Ardouin, P. See Mereau-Richard, C. Arenas-Barbero, Joaquín See Jaqueti,

Arenas-parcero, soaquin et al. Jerónimo
Arevalo, Gaston, 1430
Argenti, D.; D'mello, A., 1468
Armesto, Julio See Romay, Cheyla
Armstrong, Therese See Welch, Shirley
Arneson, B. W. See Snow, K.

Arnetorp, Anna See Jeppsson, Jan-Olof Arnold, L. L.; Haven, M. C.; Pursel, D. R., 1048; See Timko, D. M. Arnold, Mark A., 1319 Aronen, Hannu See Paavonen, Timo

Arribas, Ignacio; Duque, Isabej; Marques, Arribas, Ignacio; Duque, Isabej; Marques, Luisa Diez; Escribano, Carmen Garcia; Ripoll, Eduardo; Puyol, Diego Rodriguez; Puyol, Manuel Rodriguez, 1066 Arshad, M. A. Q. See Subbiah, M. T. R. —; Bhadra, S.; Cohen, R. M.; Subbiah, M. T. R.,

Arter, T. See Mauck, L.; See Novros, J. Arter, T. C. See Kozuch, S. A. Artiss, Joseph D., 1321; See Morgan, Bradley

R.
Artner-Dworzak, Erika See Mair, Johannes;
See Vorderwinkler, Karl-P.
Artur, Yves See Guemouri, Laila
Arvan, Dean A. See French, Carol A.
Aryeh, Hanna Ben See Jakobi, Peter
Asahina, Toshiro See Fukui, Hideo
Asao, Takayuki See Tachikawa, Tetsuya
Ashby, C. Dennis See Abdul-Ahad, Wajdi G.;
See Eguchi, Lois
See Eguchi, Lois
Ashida, Yoshie See Shimizu, Akira
Ashihara, Yoshihiro See Hiraoka, Toshikage
—; Hiraoka, Toshikage; Makino, Yoshihiko;
Shinoki, Hiroshi; Hora, Naofumi; Sudo,
Yukio; Ogawa, Masashi; Tanimoto, Tetsuji;
Ninomiya, Tadashi; Nishizono, Isao;
Kasahara, Yasushi, 1525; See Nishizono,

Isao

Isan
—; Sakurabayashi, Y.; Nishizono, I.; Sone, T.;
—; Sakurabayashi, Y.; Nishizono, I.; Sone, T.;
—Shirane, H.; Hikita, A.; Yamauchi, S.; Saito,
T.; Okada, M., 1031

Ashwood, E.; Jones, K.; Crossett, J.; Trundle,
D.; Cole, R.; Masters, B.; Foster, A., 971

Ashwood, E. R. See Ennis, A. K.
—; Jones, K. J.; Crossett, J.; Masters, B.; Foster,
A. 986.

A., 980 Aslam, Mo See Christofides, Nicos Asmus, C. V. See Corcoran, K. A.

Journal of the American Association of Clinical Chemistry

Volume 37, 1991 **AUTHOR INDEX**

Abano, Darla A.; Mathews, Rachel; Keller, Charles; Markese, James; Butler, Mary; Berry, Dan; Fabian, Karri; Hiltibran, Glen; Jou, Yi-Her; Lagocki, Peter; Stroupe, Steve,

Abdul-Ahad, Wajdi G.; Luther, Clarence; Terakawa, Grace; Ashby, C. Dennis; Knight, William, 1018

William, 1018

Abe, Akira; Nishimura, Takashi; Noma, Akio; Hamano, Kyoko, 1345
Abe, Toshio See Usui, Akihiko
Abirami, S. See Goldstein, Phillip
Aboona, Lina See Torké, Narayan S.
Abrams, Billy See Toffaletti, John

Abruzzini, Anthony F. See Oberhardt, Bruce

Abruszini, Anthony F. See Oberhardt, Bruce J.

Abunimeh, Noman See Khalil, Omar S.
Ackermann, H. See Chen, J.
Acrey, Charlotte See Shoemaker, B.
Adachi, Kyoko See Horiuchi, Kentaro
Adamczyk, Maciek See Harrington, Charles
A.; See Hartter, Daryl E.; See Hruska, Bob
Adamovich, Jody See Shoemaker, B.
Adams, C. See Becker, Janice
Addiego, L. A. See Munro, C. J.
Adiletto, Carol See Miller, W. Greg
Adiletto, Carol A. See San George, Richard C.
Agape, Vittorio See Mosca, Andrea
Agardh, C.-D.; Agardh, E.; Isaksson, A.;
Hultberg, B., 1696
Agardh, E. See Agardh, C.-D.
Agarwal, Raghunath P.; Podlasek, Stanley J.,
917; See Zepeda, Hector
Agee, Kimberlee A. See Shahangian, Shahram
Aggarwal, Suresh K. See Herold, David A.; See
Herold, David A.; See Herold, David A.; See
Herold, David A.; See Herold, David A.

See MacNamara, E. M.

Aguzzi, Francesco See Brustolin, Domenico
Ahmad, Suhail See Malik, Sohail; See Malik,

Aho, Kimmo See Ailus, Kirsi Ailus, Kirsi; Melamies, Liisa; Tuomi, Tiinamaija; Palosuo, Timo; Aho, Kimmo, 1766

Ainslie, Michael See Voss, Ellen Aitken, D. See Davies, C. J. Akama, Hideto See Tanaka, Hirotoshi Akerkar, Anand, 109 Akers, L. C. See Orsulak, P. J.; See Orsulak, P.

Akhabue, B. E. See Hernandez, Marta R.; See Siemon, Peggy Akhabue, Beatrice E.; Hernandez, M. R.; McNally, A. J.; Siemon, P.; Salamone, S. J.,

1006

Akins, James R. See Bernert, John T., Jr.
Akpalaba, Charles See Salami, Christopher
Al-Fawaz, I. See El-Hazmi, M. A. F.
Al-Harakati, M. See El-Hazmi, M. A. F.
Al-Momen, A. K. See El-Hazmi, M. A. F.
Al-Sheibani, Said See Knapp, Martyn L.
Al-Sultan, A. I. See Nassar, B. A.
Alarie, J. P. See Vo-Dinh, T.
Albers, J. J. See Levine, Daniel M.
Albers, John J. See Marcovina, Santica M.
Albertini, Alberto See Mantero, Giovanni
Albright, Ann L. See Ward, Kory M.
Alcade, K.; Krater, J.; Robbins, D.; Kiang, W.;
Lue, Y.; Alexander, R.; Campbell, C., 1043
Alcock, Nancy W.; Ramanujam, V. M.
Sadagopa, 987 Akins, James R. See Bernert, John T., Jr.

Alderman, Michael H., 1885 Alebardi, Olga See Panteghini, Mauro; See

Pantaghini, Mauro
Alessi-Severini, S.; LeGatt, D. F.; Pasutto, F.
M.; Jamali, F.; Coutts, R. T., 111
Alexander, D. See Hutton, J.
Alexander, N. J. See Haque, D. H.
Alexander, R. See Alcalde, X.

Alexander, R. See Alcane, A. Alexander, Roy L., Jr. See Hoare, Ismael A.; See Werries, Annette L. Ali, A. See Coleman, C. Alimagno, B. V. See Swartz, J. Alkadi, Zaid Y. See Oberhardt, Bruce J.

Allain, P. See Turcant, A. Allain, P. See Turcant, A. Allannic, Hubert See Massart, Catherine Alsayed, Naji; Rebourcet, Regis, 387 Alsayrafi, Mohamed See Fenton, John

Altaffer, Marcia B. See Kaufman, Harvey W. Attman, R. E.; Duvall, R. M.; Proctor, A. S.; Black, L. A.; Littlefield, M., 1012 —; Duvall, R. M.; Brown, T. J.; Proctor, A. S.; Mandichak, J. J., 928

Altmiller, Dale H.; Casey, Paula; Rickard, Robert C., 1055 Altura, B. M. See Altura, B. T.; See Altura, B.

Altura, B. T.; Dell' Orfano, K.; Yeh, Q.; Barbour, R. L.; Young, C. C.; Hiti, J.; Welch, R.; Shirey, T.; Altura, B. M., 948 —; Altura, B. M.; Tranbaugh, R. F.; Zisbrod, Z.; Burack, J.; Barbour, R. L.; Cunningham, J.

N., 1070

Alvarez, W. See Regan, J.

Alvaréz, W. See Regan, J.

Amano, S.; Yoshida, T.; Fujii, S.; Nakajima, K.;
Miyake, K.; Hayashi, T.; Cho, H.; Shiba, K.;
Tomura, S.; Kino, J., 1026

Ambler, J. See Core, J.

Amende, L. A. See Chao, F.-F.

Amino, Nobuyuki See Maeda, Ikuhiro; See
Takeoka, Keiko

Ammann, Hélène; Vinet, Bernard, 2139

Anastassiades, T. See Lyon, A. W.

Anderson, Alfred See Otvos, James

Anderson, Alison See Christofides, Nicos

Anderson, David; McConnell, Joseph, 959

Anderson, Donna; McComb, Robert; Bowers,
George, Jr.; Hill, Dennis, 993

Anderson, Johna; McComb, Kobert; Bowers George, dr.; Hill, Dennis, 993 Anderson, Geoffrey; Scott, Milda, 398 Anderson, Geoffry; Coletti, Angela; Dino, John; Foley, Tom; Golkar, Sholeh; Miao, Ru-Lan; Paez, Sonia; Patel, Ashok; Scott, Milde 900 Milda 999

Anderson, N. Leigh, 1096 Anderson, Peter H.; Stickel, Steven A., 912 Anderson, Phil; Hilton, Diane; Kolanda, Susan, 1036 Paulins, Mike, 956

—; Paulins, Mike, 956
Anderson, R. See Bruni, J. F.
Anderson, S. M. See Chimera, J. A.
Anderson, T. See Otvos, J. D.
Ando, Kenji See Togashi, Kazuyoshi
Andriamahatratra, R. See Gouget, B.
Andriamahatratra, R. See Gouget, B.
Andriamahatratra, R. See Gouget, B.
Angele, Carolyn; Oster, Thierry; Visvikis,
Athanase; Michels, Jean-Marc; Wellman,
Maria; Siest, Gérard, 662
Angotti, Elvira See Colonna Alfredo.

Angotti, Elvira See Colonna, Alfredo Angstadt, D. S. See Witte, D. L. Anne, Lakshmi; Forni, Theresa; Gottwald, Ken. 998

Anosike, E. O. See Ekeke, G. I.

Antonian, E. See Hernandez, Marta R.; See

Antonian, E. See Hernandez, Marta K.; See
McNally, A. J.

—; McNally, A. J.; Ng, C. F.; Twarowska, B.;
Vitone, S. S.; Warsheski, J. O.; Salamone, S.
J., 1000; See Twarowska, B.

Aoki, Tsugutoshi See Ihara, Hiroshi
Abi, V

Aoki, Yaugutoshi See Ihara, Hiroshi Aoki, Yutaka See Ihara, Hiroshi Appelqvist, R. See Tsay, Y. G. Apple, Fred S. See Bilodeau, Laura L.; See Googins, MaryKay; See Hyde, John E. —; Helseth, Peter H.; Preese, Lynne M., 909 Appleqvist, Roger See Tsay, Yuh-geng Arabshahi, L.; Goetze, A.; Hui, R.; Stoecker, P.; Subuhi, H.; Sundoro-Wu, R.; Salamone, S. J., 995

Arakawa, H. See Tsuji, A. Arakawa, Hidetoshi; Maeda, Masako; Tsuji,

Archibald, B. L. See Hutton, J. Arciaga, R. See Hutton, J. Ardouin, P. See Mereau-Richard, C. Arenas-Barbero, Joaquín See Jaqueti,

Arenas-parcero, soaquin et al. Jerónimo
Arevalo, Gaston, 1430
Argenti, D.; D'mello, A., 1468
Armesto, Julio See Romay, Cheyla
Armstrong, Therese See Welch, Shirley
Arneson, B. W. See Snow, K.

Arnetorp, Anna See Jeppsson, Jan-Olof Arnold, L. L.; Haven, M. C.; Pursel, D. R., 1048; See Timko, D. M. Arnold, Mark A., 1319 Aronen, Hannu See Paavonen, Timo

Arribas, Ignacio; Duque, Isabej; Marques, Arribas, Ignacio; Duque, Isabej; Marques, Luisa Diez; Escribano, Carmen Garcia; Ripoll, Eduardo; Puyol, Diego Rodriguez; Puyol, Manuel Rodriguez, 1066 Arshad, M. A. Q. See Subbiah, M. T. R. —; Bhadra, S.; Cohen, R. M.; Subbiah, M. T. R.,

Arter, T. See Mauck, L.; See Novros, J. Arter, T. C. See Kozuch, S. A. Artiss, Joseph D., 1321; See Morgan, Bradley

R.
Artner-Dworzak, Erika See Mair, Johannes;
See Vorderwinkler, Karl-P.
Artur, Yves See Guemouri, Laila
Arvan, Dean A. See French, Carol A.
Aryeh, Hanna Ben See Jakobi, Peter
Asahina, Toshiro See Fukui, Hideo
Asao, Takayuki See Tachikawa, Tetsuya
Ashby, C. Dennis See Abdul-Ahad, Wajdi G.;
See Eguchi, Lois
See Eguchi, Lois
Ashida, Yoshie See Shimizu, Akira
Ashihara, Yoshihiro See Hiraoka, Toshikage
—; Hiraoka, Toshikage; Makino, Yoshihiko;
Shinoki, Hiroshi; Hora, Naofumi; Sudo,
Yukio; Ogawa, Masashi; Tanimoto, Tetsuji;
Ninomiya, Tadashi; Nishizono, Isao;
Kasahara, Yasushi, 1525; See Nishizono,

Isao

Isan
—; Sakurabayashi, Y.; Nishizono, I.; Sone, T.;
—; Sakurabayashi, Y.; Nishizono, I.; Sone, T.;
—Shirane, H.; Hikita, A.; Yamauchi, S.; Saito,
T.; Okada, M., 1031

Ashwood, E.; Jones, K.; Crossett, J.; Trundle,
D.; Cole, R.; Masters, B.; Foster, A., 971

Ashwood, E. R. See Ennis, A. K.
—; Jones, K. J.; Crossett, J.; Masters, B.; Foster,
A. 986.

A., 980 Aslam, Mo See Christofides, Nicos Asmus, C. V. See Corcoran, K. A.

Assmann, Gerd See Heinrich, Jürgen; See

Motti, Corradino
Atger, Véronique; Malon, Denise; Bertiere,
Marie Claude; N'Diaye, Françoise; GirardGloba, Anik, 1149
Attwood, Stephen E. A. See Price, Alun
AuBuchon, James P., 265
Audette, Robert J. See LeGatt, Donald F.
Augood, S. J. See Emson, P. C.
Augustine, Geri See Vanderslice, W. Eric
Augustyn, J. M. See Kramer, S.
Austin, G. E. See Wheaton, Robert N.
Austin, Lynn See Plaut, J. K.
Avery, G. M.; Peled, N., 590
Aw, T. C.; Koay, E. S. C.; Wann, K.; Yuen, C. S.,
1068

1068
Awni, Walid M.; Heim-Duthoy, Karen L.;
Kasiske, Bertram L., 1891
Ayanoglu, Gulesi; Chen, David; Sverlow,
Karen, 1051
Azuma, Yutaro; Maekawa, Masato; Kubo,
Masami; Kanno, Takashi, 1132
Böhles, Hans-Josef See Sewell, Adrian C. Börmer, Ole P., 1736

Baadenhuijsen, Henk See Steigstra, Herman Baar, Janet G. See Bodner, John B. Babb, B. See Danielson, Susan J.

Babb, B. See Danielson, Susan J.
Babson, Arthur L.; Olson, Douglas R.;
Palmieri, Thomas; Ross, Arthur F.; Becker,
David M.; Mulqueen, Paul J., 1521
Baca, L. See Lizer, Della; See Lum, Siew-Kam;
See Ramsey, Maria
Baca, Lori See Daniels, Jennifer A.
—; Haden, B.; Patel, C.; McGurk, T., 1044
Bach, P. R., 933
—; Eick, D.; Skramstad, D., 1039
Bachas, Leonidas G. See Barbarakis, Minas S.
Bachner, Paul See Howanitz, Peter J.
Bachorik, Paul S. See Kwiterovich, Peter O.,
Jr.

Bachorik, Paul S. See Kwiterovich, Peter O., Jr.

Backer, E. T.; Hafkenscheid, Jan C. M.; van Wermeskerken, Robert K. A., 173

Backer, Egbert T. See Hardeman, Derk Backer, Borothy See Kuhn, Donna Bacon, Bornie L.; Pardue, Harry L., 1338

Bader C. See Daudon, M.

Baenziger, J. See Balko, J.

Bahakim, H. See El-Hazmi, M. A. F.

Bahar, I.; Kana, A.; Woodring, C.; Lekousi, S.; Inbar, S.; Metzmann, E., 940

, Case, A.; Farrell, K.; Zeigler, W.; Inbar, S.; Metzmann, E., 1016

Bailey, Jimmy See Hicks, M.

Bailey, Jimmy See Hicks, M.

Bailey, Jimmy See Hicks, M.

Bailey, Junn B., 1105

Bain, S. C. See Green, E. K.

Baines, Andrew D. See Vaughan, Margaret-Anne

Baines William 248

Baines, Andrew D. See Vaughan, MargaretAnne
Bains, William, 248
Baird, F. See Witherspoon, L. R.
Baird, J. L. See Haven, M. C.
Baker, D. M. See Rosalki, S. B.
Baker, Derek P.; Murphy, M. S.; Guintu, D. C.;
Calderone, M. E.; Mendoza, D. A., 992
Baker, Harold N.; Massei, Michael K.; Ramp,
Sally K.; Trach, Paula; Strarup-Brynes,
Inge; Garner, William; Osikowicz, Gene,
1036
Baker, John: Metcalf, Patricia: Scragg, Robert:

1036
Baker, John; Metcalf, Patricia; Scragg, Robert;
Johnson, Roger, 552
Baker, R. See Cohen, J.
Bakker, Andries J., 690
Bakker, E. See Seiler, K.
Bakkeren, J. A. J. M. See Giampietro, Ottavio
Bakos, J. See Daniel, D.
Balbin, Milagros; Vizoso, Francisco; Sánchez,
Luis M.; Venta, Rafael; Ruibal, Alvaro;
Fueyo, Antonio; López-Otín, Carlos, 547
Bales, Robert See Duffy, Thomas
Balion, C. M. See Massey, K. L.
Balko, J.; Dean, R.; Baenziger, J.; Norton, J.;
Kizer, P., 958
Ball, G. D. See Snow, K.
Ballesta, Antonio M. See Molina, Rafael
Balzan, Silvana; Ghione, Sergio; Biver, Pascal;

Ballesta, Antonio M. See Molina, Rafael
Balzan, Silvana; Chione, Sergio; Biver, Pascal;
Gazzetti, Paolo; Montali, Umberto, 277
Banfi, Giuseppe; Marinelli, Marcello; Casari,
Erminie; Murone, Michelangelo; Bonini,
Pierangelo, 273
Bangou, Jacqueline See Pileire, Bernard
Banka, Tibor See Kapur, Bhushan M.
Bankson, Daniel See Countryman, Cari
—; Rifai, Nader; Henderson, Maureen; Klein,
Russ; Raghunathun, Trivellore, 929
Bankson, Daniel D., 1105

Bannon, P. See Leek, A.
Barbarakis, Minas S.; Bachas, Leonidas G., 87
Barbolt, T. A. See Gossett, K. A.
Barboriak, Joseph See Otvos, James
Barbour, Heather M., 474 Barbour, R. L. See Altura, B. T.; See Altura, B.

Bard, J. M. See Huet, G. Bardet, J. See Kamoun, P. Bariffi, F. See Pane, F. Barlow, E. See Natoli, E. Barnett, A. H. See Green, E. K. Baroncelli, Giampiero Igli See Saggese,

Giuseppe Bartek, A.-M. See Cohen, J. Bartels, I. See Davies, C. J. Barth, Maria Luiza See Neto, Eurico Camargo Bartlett, C. See Fairchild, L. Bartlett, M. S. See Dean, R. A Baselt, R. C.; Yoshikawa, D. M.; Chang, J. Y.,

Baskin, Leland; Hurt, Richard; Lawson, George, 1008 Bast, R. See King, Carol Bast, R. C. See Hutton, J. Batdorf, Sue See Robbins, David; See Robbins, David

Bates, M. See Blake-Courtney, J.; See Brandle-

David
Bates, M. See Blake-Courtney, J.; See Brandle-O'Connor, J.; See Casaretto, M. E.

—; Brenner, C.; Casaretto, E.; Blake-Courtney, J.; Brenner, C.; Casaretto, E.; Blake-Courtney, J.; Brandle-O'Connor, J.; Passarelli, J.; Vitone, S.; Salamone, S. J., 996
Batki, A. D.; Thorpe, G. H. G.; Cramb, R.; Lunec, J., 928
Battaglia, Paolo See Dorizzi, Romolo Batton, C. See McKeon, Kelly Baudner, Siegfried See Coore, J. Bauer, O. See Thijssen, J. H. H. Bauer, Stanley, 895
Bauer, O. See Thijssen, J. H. H. Bauer, Stanley, 895
Baugh, Diane L. See Langner, Jeffrey G. Bautista, Joel; Huster, Michael, 998
Bavis, R. See Hutton, J. Bayer, Monika F. See Hay, Ian D. Bazil, Gilbert; Johnson, Robert M.; Carter, Marjorie, 991; See Johnson, Robert Beadnell, Linda See Smith, Carol Beatey, Janet See Hicks, M. Beaton, G. See Caruthers, M. H. Beatty, Barbara G. See Price, Theresa Beatty, J. David See Price, Theresa Beatty, J. David See Price, Theresa Beatty, Terri See Kwiterovich, Peter O., Jr. Beck, Friis, J. See Jones, A. W. Beck, O. See Lafolie, P. Beck, Thomas C. See Kofoed-Enevoldsen,

Beck, O. See Lafolie, P. Beck, Thomas C. See Kofoed-Enevoldsen,

Allan

Becker, D. See Datta, P.; See Datta, P.; See

Datta, P.; See Reichstein, E.; See Reichstein,

Becker, D. See Datta, P.; See Datta, P.; See
Datta, P.; See Reichstein, E.; See Reichstein, E.
Becker, David M. See Babson, Arthur L.
Becker, Janice; Bongcaras, G.; Trinh, Q.;
Adams, C.; Belei, M.; Pang, P.; Sass, J.;
Seymour, D.; Wang, E., 1045
Beecham, J. See Ferre, F.
Beelaert, G. See Pollet, D. E.
Beilby, John See O'Leary, Peter
Belcher, John D. See Eckfeldt, John H.
Belcher, John D. See Eckfeldt, John H.
Belcher, John D. See Eckfeldt, John H.
Belcher, John D. See Eckfeldt, William T.
Bell, D.; Chu, A.; Ruetten, S.; Wilcox, M.;
Marfurt, K.; Linfield, D.; Shepherd, G., 964
Bell, M. Lsee Callahan, J. B.
Bell, R. See Wolf, Steve
Bellet, Neal See Katz, Paula
Bellin, Marc See Jacob, Nelly
Bellon, Jan See Delanghe, Joris
Benedetti, T. J. See Chen, C.
Benham, M. See Raymond, Anne
Bennett, D. W. See Otvos, J. D.
Bennett, Dennis See Swinkels, Leon M. J. W.
Benway, M. See Pagan, G.
Benraad, Th. J. See Kienhuis, C. B. M.; See
Swinkels, L. M. J. W.
Benway, M. See Pagan, G.
Bera, O. See Goussard, J.
Bergami, M. R. See Jones, R. G.; See Jones, R.
G.; See MacNamara, E. M.
Berget, Arne See Bucher, Ditlef
Bergkuist, Carolyn; Kent, Sue, 959; See
Whelan, 1043
Bermes, E. W., Jr. See Russell, P. M.
Bermes, E. W., Jr. See Russell, P. M.
Bermes, E. W., Jr. See Russell, P. M.
Bermes, E. Ward.

Bermes, Edward W., Jr. See Vanderslice, W.

Bermes, Edward W., Jr. See Vanderslice, W.
Eric
Bernard, M. See Hufnagle, Gary
Berndt, Teresita See Chen, Katherine H.
Berne, Cheryl A.; Zubey, Lisa A.; Demers,
Laurence M., 1659
Bernert, John T., Jr.; Akins, James R.;
Cooper, Gerald R.; Poulose, Abraham K.;
Myers, Gary L.; Sampson, Eric J., 2053
Bernon, H. See Jones, R. G.
Bernstein, Larry H. See Sachs, Edward
Berry, Dan See Abano, Darla A.
Bertelloni, Silvano See Saggese, Giuseppe
Bertholf, Roger L.; Sapp, Laura M.; Pittman,
David L., 759
Berti, Giovanni See Brustolin, Domenico
Bertier, Marie Claude See Atger, Véronique
Bertoli, S. See Gregori, G.; See Penno, G.
Bertolo, Paola See Mantero, Giovanni
Besner, Irit See Gruener, Nachman
Besozzi, Marco See Mosca, Andrea
Bessou, Th. See Culliere, M. L.
Betsill, William L. See Stoler, Mark
Beumer, T.; Stoffelen, E.; Smits, J.; Carpay, W.,
967

Bevan, E. A. See Whitehead, T. P. Beveridge, Roy See Chan, Daniel W.; See Koczyk, Kathy Beveridge, Roy A. See Koczyk, Katherine Bhadra, S. See Arshad, M. A. Q. Bhalla, Ravi B.; Malati, T.; Schwartz, Morton

K., 966 —; Malati, T.; Schwartz, Morton K., 974 Bhargava, A.; Pothier, L.; Lane, W.; Kimball, K.; Michielson, C.; Douglass, H.; Fitzpatrick, J., 986

J., 986

-; Verazin, G.; Quasi, M.; Takita, H.; Petrelli,
N.; Fitzpatrick, J., 1055; See O'Donnell, A.
Bhat, G. See Schroeder, T.
Bhayana, V.; Ross, M. L.; Cohoe, S., 913
Biagini, A. See Yaughn, R.
Bialk, P.; Maier, J.; Pappert, G.; Rottmann, M.,
1047

1047
Bianchi, G. See MacNamara, E. M.
Bianchi, P. See Jones, R. G.; See Jones, R. G.
Bianco, Ornella See Petrarulo, Michele
Bidart, Jean-Michel; Troalen, Frédéric; Lazar,
Vladimir; Vauzelle, Pascal; Bellet,
Dominique, 1467
Bieglmayer, C. See Thijssen, J. H. H.
Bielawski, C. See Mullins, Marvin
Bielawski, Comnie See Mullins, Marvin; See
Padala, V. Reddy
Bienhaus, Gerhard See Klenner, Dagmar
Bienvenu, J. See Jones, R. G.; See Jones, R. G.

Bienvenu, J. See Jones, R. G.; See Jones, R. G. Biesemier, Karl W. See Kayser, Janet S. Biesemier, Karl W. See Kayser, Janet S.
Biglieri, Edward G.; Kater, Claudio E., 1843
Bilgic, Hayati See Erbil, M. Kemal
Billay, Debbie M. See Chan, Siu C.
Billing, Janet; Hinchy, V.; Montague, D.;
Thompson, W.; Willcox, L., 910
Bilodeau, Laura L.; Preese, Lynne M.;
Wolters, Susan M.; Narlock, Cynthia A.;
Apple, Fred S., 914
Binder, Richard A. See Koczyk, Katherine
Binder, Steven R. See Mazhar, Mohammed
Birdsell, Dale C. See Chan, Siu C.; See Chan,
Siu C.

Siu C. Birecree, J. See Danielson, Susan J.; See

Mauck, L. Birtwhistle, C.; Foster, A., 972 Biver, Pascal See Balzan, Silvana; See Clerico,

Biver, Pascal See Balzan, Silvana; See Clerico, Aldu
Blaak, E. See Khan, K.
Black, Audrey L. See Hamlin, Clive R.
Black, David See Finkle, Bryan S.
Black, David See Finkle, Bryan S.
Black, L. A. See Altman, R. E.
Black, L. A. See Altman, R. E.
Blackburn, Gary F.; Shah, Haresh P.; Kenten, John H.; Leland, Jonathan; Kamin, Ralph A.; Link, John; Peterman, Jeff; Powell, Michael J.; Shah, Arti, Talley, David B.; Tyagi, Surendera K.; Wilkins, Elizabeth; Wu, Tai-Guang; Massey, Richard J., 1534
Blackett, Piers R. See Fry, Henry
Blackwell, S. See Masters, Barbara
Blackwell, Walter See Standefer, Jim Blaese, R. Michael, 904
Blair, James N. R. See Coughtrie, Michael W. H.

Blake-Courtney, J. See Bates, M.; See Brandle-O'Connor, J.; See Casaretto, M. E. —; Bates, M.; Casaretto, E.; Kaufman, R.; Mylott, G.; Brandle-O'Connor, J.; Passarelli, J.; Sulewski, M.; Vitone, S.; Salamone, S. J.,

Blake, Joan; Orrego, Hector, 5 Blakney, George See LeGatt, Donald F.

Blanchard, J-M; O'Grady, M., 954
Blanchette-Mackie, E. J. See Chao, F.-F.
Bland, Elaine; Rosenthal, Philip; Keefe, Mary
T.; Henton, Donaby; Cheng, Mary; Lee,
Carol R.; Hall, Rebecca L.; Newton, Melenie
K.; Doumas, Basil T., 133
Blanke, Robert V. See Finkle, Bryan S.
Blennow, G. See Lafolie, P.
Blick, Kenneth E. See Fry, Henry
—; Smith, Michael; Gillum, Ronald L., 943; See
Parker, K. Michael
—; Passey, Richard B., 954
Blick, Martha See Leo-Mensah, Anthony
Blouin, Barbara See Passey, Richard B.; See
Passey, Richard B. Blouin, Barbara See Passey, Richard B.; See Passey, Richard B. Bluestein, Larry See McCusker, Larry Bode, Arthur P. See Castellani, William J. Bode, Melissa A. See Ryder, Kenneth W. Bodlaender, Peter See Plavšić, V. Bodman, V. See Hasselberg, S. Bodner, John B.; Klein, Laura; Baar, Janet G.; Bogacz, Jerry; Strarup-Brynes, Inge; Necklaws, Elizabeth; Richerson, Russell B., 291 291 Bodor, Geza See Daoud, Emad Bodor, Geza I. See Hortin, Glen L Bodor, Geza I. See Hortin, Glen L.
Bodourian, Selma H. See Pesce, Michael A.
Boedeker, M. See Romeo, R.
Boersma, Wim J. A. See Zegers, Netty D.
Bogacz, Jerry See Bodner, John B.
Bogema, Stuart C. See Ronald, Beverly; See
Soldin, Steven J.; See Sopata, Joseph R.
Bogovich, M. See Fricker, R.
Bohannon, J.; Wu, Y. S.; White, Y.; Su, Y. T.;
Simmons, M.; Sine, H., 948; See Su, Y. T.
Bolann, J. See Mathis, S.
Bolann, Bigrn J.; Ulvik, Rune J., 1993 simmons, M.; Sine, H., 948; See Su, Y. T. Boland, J. See Mathis, S. Bolann, Bjørn J.; Ulvik, Rune J., 1993 Bolin, Terry D. See Myo-Khin Bondiou, Marie-Thérèse See Loko, Frédéric Bongearas, G. See Becker, Janice Bonini, Pier Angelo See Lehmann, Paul Bonini, Pierangelo See Banfi, Giuseppe Bonnar, Peter; Jensen, M.; Majewski, G., 1030 Bonora, Roberto See Panteghini, Mauro; See Hapton, Mauro; See Hapton, J.; See Hapton, J.; See Hafolie, P. Borden, K. See Hutton, J.; See King, Carol

Borden, K. See Hutton, J.; See King, Carol
Borden, K. See Hutton, J.; See Hutton, J.; See King, Carol
Borer, W. Z. See Swartz, J.
Borer, William Z. See Gatalica, Zoran; See Gatalica, Zoran
Borg, S. See Lafolie, P.
Borzelleca, J. F. See Brown, Sue
Bosch, Jaume See Molina, Rafael
Bosoni, T. See d'Eril, GianVico Melzi
Bottjen, P.; Haven, M.; Post, G.; Lohff, M., 922
Bouchama, Abderrezak See El-Yazigi, Adnan
Boudaoud, Said See Moldovan, Florina
Boudou, Ph. See Fiet, J.
Boudou, Philippe See Moldovan, Florina
Bourbouze, Richard See Loko, Frédéric
Bourgeois, F. John See Herold, Christopher D.
Boutten, B.; Ezan, E.; Mamas, S.; Dray, F., 394
Bovill, Edwin G.; Landesman, Mae M.; Busch,
Susan A.; Fregeau, Geneva R.; Mann,
Kenneth G.; Tracy, Russell P., 1708
Bowden, J.; Jeanson, S.; Kyger, S.; Mifflin, T.
E., 1060

E., 1060

Bowen, T. See Raymond, Anne; See Raymond,

Bowen, T. See Raymond, Anne; See Raymond, Anna Bowen, T. P. See Omand, Kathy Bowens, G. N., Jr. See Verdon, C. P. Bowers, George N., Jr., 1665
Bowers, George N., Jr., 1665
Bowers, George, Jr. See Anderson, Donna Bowers, Larry D. See Fu, Irong Bowie, Lemuel J. See Dohnal, James C.

—; Topouzian, Nancy, 997
Bowsher, Ronald R. See Taber, Larry D. Boyd, James C.; Herold, David A., 988
Boyne, Peter See O'Leary, Peter Bradford, Blair U. See Forman, Donald T. Bradley, H. See Raymond, Anne Bramley, P. N.; Heighton, R. W.; Green, J. H., 1139
Branca, C. See Roman, J.

1139
Branca, C. See Roman, J.
Brandle-O'Connor, J. See Bates, M.; See
Blake-Courtney, J.; See Casaretto, M. E.
Bates, M.; Blake-Courtney, J.; Brenner, C.;
Casaretto, E.; Passarelli, J.; Vitone, S.;
Salamone, S. J., 996
Brandt, B. See Cernosek, Rose Mary; See Davis,
Benjamas; See Leyva, Paul
Brandt, R. See Forbes, M. A.

Branson, J.; Johnson, J.; Ramakrishnan, K..

1042
Braun, P. J. See Steiner, J. P.
Bray, K. See McKeon, Kelly; See Strobel, Susan
A.; See Yamagata, Susan K.
Brede, H. D. See Sauder, K.
Breen, Eugene See Power, Michael J.
Breglio, Susan; DeChene, Neal; Liang,
Edward; Sweet, Randy; Murthy, H. M. S.,

Brem, Gottfried See Wolf, Eckhard Brenner, C. See Bates, M.; See Brandle-O'Connor, J.; See Casaretto, M. E. Brentz, Charles See Khalil, Omar S. Breyer, Emelita; Fowler, Larry; Lorenzo, Luisa; Jones, Meredith; Forman, Donald T.,

945 Bridel, Marie-Pascale See Chevenne, Didier Brigandi, T. See Fricker, R. Brigati, David J., 899 Briggs, J. Douglas See Dominiczak, Marek H. Briggs, J. Douglas See Dominiczak, Marek H. Brissette, E. See Leek, A. Brkljačić, Lj. See Plavšić, V. Brodehl, Johannes See Byrd, Dennis J. Brombacher, P. J. See Coenen, J. L. L. M. Bronstein, Irena; Voyta, John C.; Vant Erve, Yvonne; Kricka, Larry J., 1526
Brookes, R. F. See Kozuch, S. A. Brocke, Gaston H. Rossno, Thomas:

Brookes, R. F. See Kozuch, S. A.
Brooks, Clayton, III; Rosano, Thomas;
Cramer, Steven, 1067; See Rosano, Thomas
Brooks, Klazina E. See Smith, Norman B.
—; Smith, Norman B., 1975
Brotea, George P. See Palmer, Elizabeth J.
Brouillet, J-P See Duffy, M. J.
Broussard, Elaine E. See Robinson, C. Andrew
Brown, Betty See Miller, W. Greg
Brown, J. See Walker, R. P.
Brown, Laurie L.; Kroll, Martin H.; Chesler,
Ruth 1002

Ruth, 1002
Brown, Scott M., Francis, Linda M., McNally,
Mary P., Soule, Howard R., 951
Brown, Sue; Poklis, Alphonse; Borzelleca, J. F.,

Mary F.; Soule, Howard K., 901
Brown, Sue; Pokis, Alphonse; Borzelleca, J. F., 1068
Brown, T. J. See Altman, R. E.
Brown, W. S. See Fuller, K. A.; See Haller, B. L.
Brown, W. S. See Fuller, Kathleen A.
Brudzinski, Alice See Jensen, Todd
Bruhn, H. D.; Dati, F.; Conard, J.; Mannucci, M.; Monteagudo, J.; Pelzer, H.; Samama, M.; Tripodi, A.; Wagner, C., 950
Bruix, Jordi See Molina, Rafael
Brummond, B. See Danielsca, Susan J.
Brun, Jocelyne See Harthé, Catherine
Brumette, J. J. See Hargis, G. K.
Bruni, J. F.; Buechler, K.; Buechler, J.; Moi, S.; Noar, B.; McGrath, D.; Villela, J.; Clancy, M.; Valkirs, G.; Wollaeger, J.; Nowakowski, M.; Anderson, R., 1010
Bruns, David E., 1806
-; 1469

-; , 1469 -; , 597 1141 , 1662 2025 -; , 1313 -; , 2165 -; , 481 -; , 137

Fig. 1309

Frustolin, Domenico; Maierna, Mauro; Aguzzi, Francesco; Zoppi, Francesco; Tarenghi, Giordano; Berti, Giovanni, 742

Bruunshuus, Ivan See Linnet, Kristian Bruzek, Debra See Chan, Daniel W.; See Koczyk, Kathy Bryne, D. See Hilborn, David A. Bubeck, Joerg See Liebich, Hartmut M. Bucher, Ditlef; Poulsen, Fritz; Rousøe, Ulla; Christensen, Henrik; Thyssen, Hans H.; Schebye, Ove; Berget, Arne, 477

Buck, Robert L. See Mastin, Stephen H. Buck, T. See Martens-Düring, B. Buck, Th. See Dati, F.; See Sauder, K. Budgett, William See Levine, Barry Budillon, Gabriele See Castaldo, Giuseppe Buechler, J. See Bruni, J. F. Buchner, J. See Bruni, J. F. Buchler, J. See Bruni, J. F. Buchler, K. See Bruni, J. F. Buffone, G. J.; Demmler, G. J.; Schimbor, C. M.; Greer, Jewel, 1945

Bui, Janet Tuyet-Dong; Seymour, D., 1044

Burland, David J.; Johnson, Roger N., 1657

Burcack, J. See Altura, B. T. Burch, Patricia A. See Levinson, Stanley S. Burchell, Ann See Coughtrie, Michael W. H. Burlina, Angelo See Plebani, Mario

Burling, Lillian See Forni, Theresa

—; Hammad, Nadia; Jaklitsch, Anna, 993 -; Hammad, Nadia; Jaklitsch, Anna, 993

Burnett, D. See Wilson, J. F.
Burritt, Mary F. See Nichols, James H.
Burrows, K. See Shamberger, R. J.
Burrows, K. C.; Wright, R. K.; Businger, N.;
Duktig, K.; Slaby, R., 964
Burstein, M. See Roche, D.
Burthier, J. M. See Fiet, J.
Burtie, C. J. & 1103 Burthier, J. M. See Fiet, J.
Burtis, Carl A., 1103
Busch, Susan A. See Bovill, Edwin G.
Bush, Chris; Harvey, Michael, 1060
Bush, Richard See Millane, Teri
Businger, N. See Burrows, K. C.
Businger, Nanette See Padala, V. Reddy
Bussian, R. W.; Tuhy, P. M.; Ruglass, J. A.;
Naccarato, W. F.; Clement, G. E.; Fritch G.,

971
Butch, A.; Roggeman, R.; Turk, J., 1003
Butcher, Ann See Spadoro, Joanne
Butler, J. See Coleman, C.
Butler, Mary See Abano, Darla A.
Butler, Thorne J. See Finkle, Bryan S.
Butman, B. See Schmetter, B.
Butman, B. T.; Jones, G.; Taddel-Peters, W. C.;
Venetta, T.; Ransom. J. H., 918; See Taddei-Peters, W. C.
Buttery, Joseph E.; Stuart, Sandra, 2133
Buursma, A. See Zijlstra, W. G.
Byrd, Dennis J.; Lind, Marion; Brodehl,
Johannes, 68

Johannes, 68
Byrd, Patricia A.; Hursting, Marcie J., 963
Byrne, D. See Oenick, Marsha D. Bale
C.L.S.M.E.L. See Palareti, G.
Cachera, C. See Saile, R.

C.I.S.M.E.L. See Palareti, G.
Cachera, C. See Saïle, R.
Cahill, Patrick; Foster, Kim; Mahan, Donald
E., 1482
Cailleux, A. See Turcant, A.
Cain, Heather J.; Pannall, Peter R.; Kotasek,
Dusan; Norman, Robert J., 1127
Caines, Patrick S. M. See Palmer, Elizabeth J.
Calabrese, Gary S.; Maillet, Lynn M., 949
Calcagno, G. See Pane, F.
Calderone, M. E. See Baker, Derek P.
Caldwell, J. R. See Trundle, Diana
Callahan, J. B.; Fischer, T. J.; Hoffman, J. F.;
Bell, M. L., 981
Callahan, K. J. See Corcoran, K. A.
Callaway, C. Wayne, 1098
Calvet, Xavier See Molina, Rafael
Calzolari, Charles See Larue, Catherine
Campbell, C. See Velletri, K.
Campbell, C. See Velletri, K.
Campbell, D. See Powell, Diane
Campbell, David C. See Wang, Chi-Chin; See
Wang, Chi-Chin

Wang, Chi-Chin
Campbell, Duncan J. See Gorski, Thaddeus P.
Campos, Concepcion; Redondo, Francisco L.,

303
Campos, Francesc See Garcia, Ana M.
Candel, Antimo G.; Wang, H. H.; Grossl, N. A.;
Hessel, C. R.; Del Carlo, F.; Jasso, M.;
Schwemen, D.; Doria, M. I., 1053
Canioni, P. See Carbonneau, M. A.
Cannon, Donald J., 141
Cano, Carlos; Jambor, Louis; Grove, Thomas
H. 1009

Cano, Carlos; Jambor, Louis; Grove, Thomas H., 1009
Caplan, Robert H. See Wickus, Gary G.
Carbonneau, M. A.; Peuchant, E.; Sess, D.;
Canioni, P.; Clerc, M., 1423
Carey, Doug; Wu, Tai-Wing; Hashimoto,
Noriaki; Nakamura, Hiroomi, 1070
Carey, G. See Mathis, S.
Carlson, Timothy H.; Labbe, Robert F., 934
Caron, Geoff See Sheehan, Michael
Carpay, W. See Beumer, T.
Carr, R. See Wolf, Steve
Carrasco, Wanda T. See McNamara, Judith R.
Carrino, John J.; Laffler, Thomas G., 1059
Carroll, Williams, L.
Carrino, John J.; Laffler, Thomas G., 1059
Carroll, William T. See Lane, Michael J.
Carron, Serge-André See Moldovan, Florina
Carter, Marjorie See Bazil, Gilbert
Caruthers, M. H.; Beaton, G.; Cummins, L.;
Graff, D.; Ma, Y.-X.; Marshall, W. S.; Norris,
P.; Sasmor, Henri; Yau, Eric K., 615
Carver, Rich See Khalil, Omar S.
Casadci, Jan See Kenten, John H.
Casal, David C. See Jones, Lynn A.
Casals, Elena See Jarausch, Jochen
Casareetto, E. See Bates, M.; See
Blake-Courtney, J.; See Brandle-O'Connor,
J.
Casaretto, M. E.; Bates, M.; Brenner, C.;

Casaretto, M. E.; Bates, M.; Brenner, C.; Cottell, C.; Blake-Courtney, J.; Brandle-O'Connor, J.; Passarelli, J.; Vitone, S.; Salamone, S. J., 996 Casari, Erminia See Banfi, Giuseppe Case, A. See Bahar, I.

Casendino, M. See Fagan, G.
Casey, Paula See Altmiller, Dale H.
Casper, S. See Daniel, D.
Cass, M. See Yamagata, Susan K.
Cassulis, Pauline; Magasic, Mario V.; DeBari,
Vincent A., 882
Castagnier, M. See Thijssen, J. H. H.
Castaldo, Anna Maria; Russo, Giovanna;
Castaldo, Paolia; Minella, Raffaele; Castaldo,
Antonio, 1805
Castaldo, Antonio See Castaldo, Anna Maria

Antonio, 1805 Castaldo, Antonio See Castaldo, Anna Maria Castaldo, Giuseppe; Oriani, Giovannangelo; Cimino, Lucia; Topa, Marco; Budillon, Gabriele; Salvatore, Francesco; Sacchetti,

Gabriele; Salvatore, Francesco; Sacchetti, Lucia, 1419
Castaldo, Paola See Castaldo, Anna Maria Castellani, William J.; Hodges, Edna D.; Bode, Arthur P., 1119
Castificiras, M. J. See Fuentee-Arderiu, X. Catherwood, B. D. See Wheaton, Robert N. Catomeris, Peter; Thibert, Roger J.; Draisey, Thomas F., 928
Cattozzo, Giannaolo See Franzini, Carlo

Cattozzo, Gianpaolo See Franzini, Carlo Caudill, Samuel P. See MacNeil, Mary Louise

Cavalcanti, Ernesta See Colonna, Alfredo Cecere, M. See Penno, G. Cefalu, William T.; Bell-Farrow, Audrey D.; Petty, Marie; Izlar, Camille; Smith, Jeffrey A., 1252

Cembrowski, George; Voss, Ellen; Hollander, Priscilla, 937; See Voss, Ellen Cembrowski, George S. See Howanitz, Peter

- Steindel, Steven J., 960 Ceriotti, Ferruccio See Lehmann, Paul Cernosek, R. M. See Davis, Benjamas; See Leyva, Paul

Leyva, Paul
Cernosek, R. M. See Davis, Benjamas; See
Leyva, Paul
Cernosek, Rose Mary; Karsen, C.; Brandt, B.,
961; See Eguchi, Lois
Cerrito, Mike See Hill, Craig
Cervast, G. See Thijssen, J. H. H.
Cestari, Renzo See Panteghini, Mauro
Chait, Alan, 892
Chalmers, A. H., 1442
Chamber, Jean-François See Felden, Franck
Champigneulle, Bruno See Felden, Franck
Chan, A. Y. W. See Ho, C. S.
Chan, Albert See Fu, Paul C.
Chan, Daniel See Longhurst, Sharon
Chan, Daniel W.; Kelley, Cynthia; Bruzek,
Debra; Beveridge, Roy, 1052
Gao, Yong-Ming, 1133; See Koczyk, Kathy;
See Quinn, Brian
; Thornton, Pamela, 978
Chan, Darren See Katz, Paula

See Guinn, Brian
; Thornton, Pamela, 978
Chan, Darren See Katz, Paula
Chan, Siu C.; Birdsell, Dale C.; Gradeen, Claire
Y., 756
; Birdsell, Dale C.; Gradeen, Claire Y., 2143
; Torok-Both, George A.; Billay, Debbie M.;
Przybylski, Peter S.; Gradeen, Claire Y.;
Pap, Kathleen M.; Petruzelka, Jitka, 1289
Chand, Pooran See Langner, Jeffrey G.
Chanez, Claude See Guédeney, Xavier
Chang, Annjoy; Fu, Joseph, 1025
Chang, J. Y. See Baselt, R. C.
Chang, S. See Natoli, E.
Chang, S. See Natoli, E.
Chang, Steve See Lieberman, Joel
Chang, Zer-Yuang; Huang, Jorlene; Ting, Wen
Kuo; Ho, Low Tone, 937
Chantarangkul, V. See Palareti, G.
Chao, F.-F.; Rifai, N.; Blanchette-Mackie, E. J.;
Resau, J. H.; Amende, L. A.; Kruth, H. S.,
921

921
Chapelle, J. P. See Lammers, Manfred
Chapelle, Jean-Paul; El Allaf, Dia; El Allaf,
Magdeleine, 1062
Chapman, J. F. See Phillips, J. C.
Chapman, John F. See Holden, Kathryn D.
Charache, Patricia, 608
Charlson, F. See Green, E. K.
Charlson, J.; Lawson, G., 1016
Charlton, D. See Tsay, Y. G.
Charlton, David See Crisp, David; See Tsay,
Yuh-geng

Yuh-geng
Chase, H. Peter See Giampietro, Ottavio
—; Marshall, Guillermo; Garg, Satish K.; Harris,
Sherrie; Osberg, Iris, 2048
Chatterjee, Subroto See Kwiterovich, Peter

Chauveau, J.; Fert, V.; Morel, A. M.; Delaage, M. A., 1178

Chazot, Guy See Harthé, Catherine
Chazouillères, Olivier See Vaubourdolle,

Michel
Chen, C.; Roby, P. V.; Benedetti, T. J.; Tait, J. F., 919

Chen, Da Yong See Zhang, Jian Zhong Chen, David See Ayanoglu, Gulesi Chen, Fu-Tai A., 1061 Chen, Fu-Tai A., 1061

-; Liu, Cheng-Ming; Hsieh, You-Zung;
Sternberg, James C., 14
Chen, J. See Sperling, M.
Chen, J.; Ackermann, H.; Walter, G.; Inbar, S.;

Chen, J.; Ackermann, H.; Walter, G.; Inbar, S.; Metzmann, E., 1012 Chen, Katherine; Gross, Susan; Hickey, Michael; Khayam-Bashi, Hassan, 985 Chen, Katherine H.; Berndt, Teresita; Walter, Vern; Gross, Susan; Khayam-Bashi, H.,

Chen, Phang-Lang See Lee, Wen-Hwa Chen, Ron, 971 Chen, Shi-Han; Gordon, Cynthia; Scott, C. Ronald, 1462

Ronald, 1462
Chen, Weiliam; Yang, Victor C., 832
Cheng, Anthony See Oh, Chan
Cheng, M.; Hutchins, S.; Lee, J.; Wong, H.;
Lipsey, A., 1055
Cheng, Mary See Bland, Elaine
Cheng, Mary H.; Wang, Chun-I, 923
Chesler, Ruth See Brown, Laurie L.; See Kroll,

Martin H.

Martin H.

Cheung, Deanna G. See Weber, Michael A.
Cheung, Man-Kam; Williams, M.; Haden, B.;
Pierre, K.; Hsu, M., 976
Chevenne, Didier; Valade, Francine; Bridel,
Marie-Pascale; Rigal, Odile; Demelier,
Jean-François; Sachs, Charles; Porquet,

Jean-François; Sachs, Charles; Forquet, Dominique, 64 Chlabra, S. C. See Tibi, L. Chiang, C. S. See Tsunokawa, Mutsuko Chiesa, Maria Rosa See Zucchelli, Gian Carlo Chimera, J. A.; Anderson, S. M.; Noell, H.; Rizk, V., 260

Chino, Shinich See Katoh, Hirohisa

Chind, Shinien See Katon, Hironisa Cho, H. See Amano, S. Chodak, G. See Clejan, S. Choe, In Seong See Choi, Myung Ja Choi, Myung Ja; Choe, In Seong; Kang, Hae Kyung; Lee, Jong Soon; Chung, Tai Wha,

Chou, Peter See Hicks, Jocelyn M. Chou, Peter P. See Cooper, Debrah —; Bailey, Jimmy L.; Godwin, Ira D.; Needham, David J.; durinski, Neil B., 991

Chou, Sunwen, 1893 Christensen, Henrik See Bucher, Ditlef

Christensen, Henrik See Bucher, Ditlef Christensen, M. See Todd, Kathleen Christenson, Robert H., 1100 —; Kazanzides, Doris; Pizzo, Carol K., 912 —; Russell, Mary E.; Pizzo, Carol K., 1023 —; Ohman, E. Magnus; Sigmon, Kristina N.; the TAMI Study Group, 913 Christensson, Anders See Lilja, Hans, Alexan

Christofides, Nicos; Andersoe Lija, Hans Christofides, Nicos; Anderson, Alison; Aslam, Mo; Irving, Tom, 943 Christopoulos, Theodore K. See Diamandis, Eleftherios P., See Diamandis, Eleftherios P. —; Diamandis, Eleftherios P., 1060

Eleftherios P.; See Diamandis, Eleftherios I.

; Diamandis, Eleftherios P., 1060
Chu, A. See Bell, D.
Chu, D. See Lua, Ahai, C.
Chu, F. W. See Ekins, R. P.
Chu, Jau-Wen; Lin, Wen-Nuei, 1001
Chung, Tai Wha See Choi, Myung Ja
Cierniak, Rose E. See Wang, Chi-Chin
Ciganko, J. See Mathis, S.
Cimino, George D.; Isaacs, Stephen T., 613
Cimino, Lucia See Castaldo, Giuseppe
Claassen, Eric See Zegers, Netty D.
Clancy, M. See Bruni, J. F.
Clark, Gregory D.; Haver, Virginia M., 2155
; Hursting, Marcie J.; Raisys, Vidmantas A.;
Miller, Stephen J.; Opheim, Kent E., 1016
Clasen, Becky See Voss, Ellen
Claude, J. R. See Sadeg, N.
Claustrat, Bruno See Harthé, Catherine
Clejan, S.; Martin, A.; Moon, T.; Stone, N.;
Gomela, L. G.; Chodak, G.; Drago, J. R.;
Eisenberger, M.; Crawford, E. D., 1050
Clejan, Sanda See Martin, Andrew; See
Martin, Andrew A.; See Thomson, Robert
Clement, G. E. See Bussian, R. W.
Clerc, M. See Carbonneau, M. A.
Clerico, A. See Gregori, G.

Clerce, M. See Carbonneau, M. A.
Clerico, A. See Gregori, G.
Clerico, Aldo; Del Chicca, Maria Grazia; Paci,
Anna; Biver, Pascal; Fantoni, Massimo, 941
— Zucchelli, Gian Carlo; Pilo, Alessandro;
Pellegrini, Massimo; Gazzetti, Paolo, 957;
See Giampietro, Ottavio; See Pilo,
Alessandro; See Zucchelli, Gian Carlo
Clifton, P. M. See Booth, S.
Cobbaert, Christa; Gorus, Frans K., 2159
Cobbaert, Crista See Laureys, Muriël

Coenen, J. L. L. M.; van Dieijen-Visser, M. P.; van Pelt, J.; van Deursen, C. T. B. M.; Fickers, M. M. F.; van Wersch, J. W. J.; Brombacher, P. J., 560
Cohen, Eric P.; Lemann, Jacob, Jr., 785
Cohen, J.; Baker, R.; Bartek, A.-M.; Saluto, M.; Kinsella, J.; Saul, R.; Metzmann, E., 1034
Cohen, Jack S., 907
Cohen, R. M. See Arshad, M. A. Q.
Cohoe, S. See Bhayana, V.
Cole, C.-A. See Monji, Nobuo
Cole, Lawrence A. See Knight, George J.
Cole, R. See Ashwood, E.; See Mulin, Jelena; See Rushkowski, Janet

See Rushkowski, Janet Cole, Richard; Simpkins, F.; Trundle, D., 909

Cole, Richard; Simpkins, F.; Trundle, D., 909
—; Trundle, D., 968
—; Trundle, D. S., 938
Cole, Richard E. See Ryder, Kenneth W.
Cole, Thomas G. See Uprichard, A. C. G.
Coleman, C.; Ali, A.; Cugier, D.; Walker, T.;
Genger, K.; Huff, D.; Butler, J.; Khalil, O.;
Phelps, B., 1022
Coleman, Carole See Khalil, Omar S.
Coleman, P. F. See Monii, Nobyo.

Coleman, P. F. See Monji, Nobuo Colenbrander, C. See Shackelford, W. H. Colinet, Elisabeth See Thienpont, Linda Collazos, Julio; Genollá, Jose; Ruibal, Alvaro,

Colletti, Angela See Anderson, Geoffry Collin, Dennis See Levine, Daniel M.; See Levine, Daniel M. Collins, Richard; Tucker, John, 978 Collins, Steve See Countryman, Cari Collinsworth, W. L., 981

Colonna, Alfredo; Angotti, Elvira; Cavalcanti, Ernesta; Cortese, Claudio; Pujia, Arturo; Mattioli, Pier Luigi, 926 Columbus, Richard L.; Palmer, Harvey J.,

Comeau, Leslie; Piran, Uri; Leo-Mensah, Tony; Huntress, MaryAnne; Hudson, Ted,

941 Compton, C. C. See Lewandrowski, Kent Conard, J. See Bruhn, H. D.; See Lammers, Manfred

Manfred
Coney, P. J. See Timmins, P. W.
Conlin, B. See Strobel, Susan A.
Connelly, Donald P. See Bennett, Sterling T.
Connerty, Peggy See Hruska, Bob
Conry, J. See Gallagher, J. V.
Constantine, Rodric See Perez, Maria
Conti, M.; Morand, P. C.; Levillain, P.;
Lemonnier, A., 1273
Contois, John H. See McNamara, Judith R.
Conyers, Robert A. J. See Wan, Abraham T.
Cook, J. A. See Jones, R. G.

Cook, J. A. See Jones, R. G. Cook, James See Hicks, M.

Cook, James See Hicks, M.
Coomey, John See Elfath, Dean
Cooney, John See Elfath, Dean
Cooney, John V. See Elfath, M. Dean
Cooper, Debrah; Chou, Peter P.; Bailey,
Jimmy L.; Godwin, Ira D., 910
Cooper, E. H. See Forbes, M. A.; See Jones, R.
G.; See Turney, J. H.
Cooper, Gerald R. See Bernert, John T., Jr.
—; Henderson, L. Omar; Smith, S. Jay; Hannon,
W. Hary, 619

W. Harry, 619

Cooper, Marc; Grove, Thomas H.; Tsunokawa, Mutsuko, 1021 Coore, J.; Ambler, J.; Dati, Francesco; Baudner,

Coore, J.; Ambier, J.; Dati, Francesco, Baudier, Siegfried, 588 Cooreman, W. See Laureys, M. Corcoran, K. A.; Gallagher, M.; Asmus, C. V.; Gaylord, H.; Tall, B. J.; Callahan, K. J.; Will, P. G.; Humphrey, J. E.; Lidinsky, W. A.,

Corrora, Kevin See Kronick, Mel N.
Cormier, Milton J. See Smith, David F.
Cornell, Steven H. See Lutz, Charles T.
Corsetti, James P.; Sterry, Judith A.; Sparks,
Janet D.; Sparks, Charles E.; Weintraub,
Michael, 1191

Michael, 1191
Cortese, Claudio See Colonna, Alfredo
Cosgrove-Braasch, Marjorie A., 1002
Costa, Deborah L. See Johnson, Steven R.
Costello, Rene; Papadopoulos, N. M., 969
Cottell, C. See Casaretto, M. E.
Cotter, S. See Pennington, C.
Coty, W.; Kauffman, L.; Johnson, F.;
Lingenfelter, C.; Khanna, P.; Weindel, K.;
Engel, D.; Kaspar, P., 993
—; Jenkins, D.; Rinne, S.; Horgan, S.; Morton,
T.; Vannucci, S.; Murakami, J.; Hertle, V.;
Scholz, H.; Pedriana, P.; Mehta, N.;
Davoudzadeh, F.; Fong, J.; Kreolin, M.;
Loor, R.; Khanna, P.; Schröder, S.; Engel,
D.; Kaspar, P., 1005

Coughtrie, Michael W. H.; Blair, James N. R.; Hume, Robert; Burchell, Ann, 739 Countryman, Cari; Bankson, Daniel; Collins, Steve; Mar, Brenda; Lin, Wei, 1056 Courtney, J. Blake See McNally, A. J. Coutts, R. T. See Alessi-Severini, S. Cox, Catherine J., 953 Cox, Catherine J., 953

Cox, Catherine J., 953
Cox, Tina; Levinson, Stanley S., 950
Craft, L. Virginia See Ketchum, Catherine H.
Cragun, J. R. See Munro, C. J.
Craig, A. R. See Thakkar, H.
Cramb, R. See Batki, A. D.

Cramb, R. See Batki, A. D.
Cramer, Steven See Brooks, Clayton, III
Crawford, E. D. See Clejan, S.
Crebbin, V. See Walker, R. P.
Cremonesi, Laura; Seia, Manuela; Magnani,
Carmelina; Ferrari, Maurizio, 1447
—; Seia, Manuela; Magnani, Carmelina; Ferrari,
Maurizio, 1967

Maurizio, 1967
Cren, H. See Goussard, J.
Crewa, V. See Schneider, M. C.
Crisan, Domnita See Ray, John E.
Crisp, David; Shannon, Gail; Tobin, Michele;
Charlton, David, 1037
Crolla, Lawrence J., 1102
Cronbaugh, Robert See Liffmann, Stanley
Crossett, J. See Ashwood, E.; See Ashwood, E.

Crouse, Steven See Wang, Chi-Chin; See

Crouse, Steven See Wang, Chi-Chin; See
Wang, Chi-Chin
Crouse, Steven P. See Pierson-Perry, James F.
Crowley, William F., Jr. See Schneyer, Alan L.
Crowther, F. H.; Law, W. T., 976
Cruschelli, L. See Gregori, G.
Cruschelli, Lorella See Giampietro, Ottavio
Csako, Gyorgy See Nelson, Jerald C.
Cuglier, D. See Coleman, C.
Cuilliere, M. L.; Montagne, P.; Bessou, Th.; El
Omari, R.; Riochet, D.; Varcin, P.; Laroche,
P.; Prud'homme, Ph.; Marchand, J.;
Flecheux, O.; Pau, B.; Duheille, J., 20
Cummings, Richard D. See Smith, David F.
Cummins, L. See Caruthers, M. H.

Flecheux, O.; Pau, B.; Duheille, J., 20
Cummings, Richard D. See Smith, David F.
Cunmings, L. See Caruthers, M. H.
Cunningham, J. N. See Altura, B. T.
Cunningham, M. See Simmonds, A. C.
Cunningham, M. See Simmonds, C. Cunningham, M. See Selice, Edward R.; See Sulivan, Mark A.
Dadier, Ulrika See Lilja, Hans
Daiss, John L. See Gorman, Kevin M.; See Scalice, Edward R.; See Sullivan, Mark A.
Dalby, Tim See Miller, W. Greg
Dalton, Patricia, 1005
Dameron, Greg; Dierckman, Ted; Odioso,
Leslie; Weingand, Kurt; Duderstadt, Jackie;
Schroeder, Tim; Pesce, Amadeo, 1065
Dang, Loc See Goldsmith, Barbara M.
D'Angelo, Lawrence J. See Soldin, Steven J.
Daniel, D.; Bakos, J.; Casper, S.; Kissel, T.;
Kozuch, S.; Murawski, J.; Roth, J.; Toner,
J.; Van Brunt, N., 946
Daniels, Jennifer A.; Baca, Lori; Harri,
Monica; Hill, Molly; Peterson, Teri; Sarosi,
Elaine; Theobald, Paul, 1003
Danielson, S. See Hilborn, David A.; See
Oenick, Marsha D. Bale
Danielson, Susan J.; Brummond, B.; Babb, B.;
Tyminski, P.; Birecree, J.; Fyles, J.; Pratt,
L., 1034
Daoud, Emad; Bodor, Geza; Weaver, Christine;

Tyminski, P.; Birecree, J.; Fyles, J.; Pratt, L., 1034

Daoud, Emad; Bodor, Geza; Weaver, Christine; Ladenson, Jack H.; Scott, Mitchell G., 1968

Dappen, G. See Hilborn, David A.; See Mauck, L.; See Oenick, Marsha D. Bale

Dart, Bette Gae See Solano, Romeo I.

Dasgupta, A. See Hussain, Shaik; See Hussain, Shaik; See Saldana, Sylvia

Dasgupta, Amitava; Saldana, Sylvia; Desai, Manju, 2130

—; Dennen, David A.; Dean, Roger; McLawhon, Ronald W., 98

Dasgupta, Amitaya; Josephson, Michelle, 922

Dasgupta, Amitaya; Josephson, Michelle, 922 —; Kinnaman, G.; Saldana, S., 1009 Dass, Proveen; Holmes, Earle; Bermes, Edward, 1067

Edward, 1067

Dati, F. See Bruhn, H. D.; See Lammers, Manfred; See Lammers, Manfred; See Martens-Düring, B.; See Sauder, K. —; Buck, Th.; Gürtler, L. G.; Koerner, K.; Sauder, K.; Thorstensson, R., 1036 —; Fickenscher, K.; Wagner, C., 950

Dati, Francesco See Coore, J.; See Marcovina, Santica M. —; Lammers, M.; Kapmeyer, W. H.; Weber, M. H.; Zoppi, F., 1064

Datta, P.; Sundarapandyan, K.; Becker, D.,

LoPresti, E.; Becker, D., 1028 LoPresti, E.; Becker, D., 1049 Sundarapandiyan, K.; Reichstein, E.; Swamy, Daudon, M.; Marfisi, C.; Lacour, B.; Bader C.,

83
Davey, C. L. See Thakkar, H.
Davidson, E. See Rotenberg, Z.
Davies, C. J.; Selby, C.; Spencer, K.; Aitken, D.;
Bartels, I.; Reinsberg, J.; Wright, D., 943
Davis, Benjamas; Kaufman, J.; Cernosek, R.
M.; Simkowski, K.; Brandt, B., 972
Davis, Gene See Kozwich, Diane; See Sigillo,

Eric Davis, Judith See Gruener, Nachman Davis, Judith See Gruener, Nachman Davison, A. M. See Turney, J. H. Davoudzadeh, F. See Coty, W. Dawnay, A. See Lamb, E. Dawson, Robert R. See Fen, Der-Fong Day, B See Fricker, R. Day, B. See Lasky, F. D. Day, Betty S. See Leerink, C. Bas Day, P. J. R. See Green, E. K. Dayal, S. See Della Puca, R. Schwarzberg, M. 1032

Dayal, S. See Della Puca, R.
—; Schwarzberg, M., 1032
De Broe, Marc E. See D'Haese, Patrick C.; See Liang, Lian; See Van Hoof, Viviane O.
—; Van Hoof, Viviane O., 783
De Buyzere, Marc See Delanghe, Joris de Graaf, Jacqueline See Dormans, Tom P. J. de Hoffmann, Edmond See Libert, Raymond de Jong, J. G. N.; Hasselman, J. J. F.; van Landeghem, A. A. J.; Vader, H. L.; Wevers, R. A., 572
de Kat Avening, C. M. See Giampietro.

de Kat Angelino, C. M. See Giampietro,

Ottavio

De Leenheer, André See Thienpont, Linda de Luca, H. Susini See Roche, D. de Rave, S. See Goldschmidt, H. M. J. de Wild, Piet J. See Ponjee, Gabriëlle A. E. de Wolff, Frederik A.; Hewitt, C. D., 130 Deam, D.; Goodwin, M.; Katnaike, S., 569 Dean, R. See Balko, J.; Queener, S. F.; Bartlett, M. S.; Dumaual, N. G., 992

—; Harty, D. C.; Vollmer, P. A.; Sample, B., 1002 Dean, Roger See Dasgupta, Amitava Dearth, Kimberly A. See Gnezda, Matthew F.; See Rosenthal, Murray A.

Dearth, Kimberly, A. See Rosenthal, Murray A. Ottavio

Dearth, Kimberly, A. See Rosenthal, Murray A.

DeBari, Vincent See Todd, Dennis DeBari, Vincent A. See Cassulis, Pauline DeChene, Neal See Breglio, Susan Declercq, P. E. See Lagrou, K. Deen, Carla See Zegers, Netty D. Deftos, Leonard J., 1143
Degand, P. See Huet, G. Del Carlo, F. See Candel, Antimo G. Del Chicca, M. G. See Gregori, G. Del Chicca, Maria Grazia See Clerico, Aldo Delaage, M. A. See Chauveau, J. Delaney, D. W. See Nealon, D. A. Delanghe, J. See Lammers, Manfred Delanghe, J. See Lammers, Manfred Delanghe, Joris; Bellon, Jan; De Buyzere, Marc; Van Daele, Godelieve; Leroux-Roels, Geert, 2017

Geert, 2017

Deleo, D. T.; Lee, I. R.; Wetherall, J. D.;
Newman, D. J.; Medcalf, E. A.; Price, C. P.,

527

Delgado, I. See Enriquez, John I., Jr.
Delgado, J. See Regan, J.
Dell' Orfano, K. See Altura, B. T.
Della Puca, R.; Dayal, S.; Schwarzberg, M.;
Struve, G.; Pierre, Y.; Jones, T., 1032
Delmoro, Julie See Ferreri, Larry
DelRio, Eve; Fitzpatrick, Judith, 1042
DeLuca, L. See Reason, Craig H.; See Reason,
Craig H.; See Reason, Craig H.
Demacker, Pierre N. M. See Dormans, Tom P.
J.

Demelier, Jean-François See Chevenne, Didier

Demers, Laurence M. See Berne, Cheryl A.
—; , 2002; See Pardridge, William M. , 311 Demertzis, Stefan See Petersen, Detlev Demian, S. E. See Orsulak, P. J. Deming, Stanley N., 483 Demirci, Duran See Erbil, M. Kermal

Demmler, G. J. See Buffone, G. J.
Dempsey, D.; Swirski, C., 1022
Demshar, Helen P. See Wang, Stephen T.; See

Wang, Stephen T.

Dennen, David A. See Dasgupta, Amitava

Densel, M. See Howe, Timothy Deom, André See Heuck, Claus C. Derde, Marie-Paule See Laureys, Muriël Dergunov, Alexander See Motti, Corradino d'Eril, Gian Vico Melzi; Bosoni, T.; Lesi, C.; Fumagalli, A.; Tarenghi, G., 915 Dermott, Sharon C. See Oberhardt, Bruce J. Desni M. See Saldare, Sulvis Dermott, Sharon C. See Oberhardt, Bruce J.
Desai, M. See Saldana, Sylvia
Desai, Manju See Dasgupta, Amitava
Desain, Marshall E., 949
Devarajan, Sanjeyan See Millane, Teri
Deveaux, M. See Saile, R.
D'Haese, Patrick C.; Lamberts, Ludwig V.;
Liang, Lian; Van de Vyver, Frank L.; De
Broe, Marc E., 1583
D'Haese, Patrick, C. See Liang, Lian
Dhekne, R. See Iocco, G.
Di Mario, Francesco See Plebani, Mario
Di Paolo, M. J. See Obzansky, D. M.
Diamandis, Eleftherios P. See Christopoulos,
Theodore K.

; Christopoulos, Theodore K., 625

-; Christopoulos, Theodore K., 625 -; Kitching, Richard; Christopoulos, Theodore K., 1038

Dichtl, E. See Wiedmeyer, H. M. Dicker, P. See Hughes, Julian Dickinson, Randolph P. See Shahangian,

Dickinson, Randolph P. See Shahangian, Shahram
Dickison, Fiona See Taylor, Andrew
Dienstl, Franz See Mair, Johannes; See Vorderwinkler, Karl-P.
Dierckman, Ted See Dameron, Greg Dierich, Manfred P. See Reibnegger, Gilbert Dieu, M. C. See Huet, G.
Dilena, Beverly A.; White, Graham H., 1216
Dillon, Paul, 1040
Dilorio, Jere See Velazquez, Francisco R.
Ding, Ying-Qing See Pettersson, Kim
Dino, John See Anderson, Geoffry
Dipaola, Joseph; Lijoi, E.; Mercer, W., 1035
D'mello, A. See Argenti, D.
Dobashi, Tom See Oh, Chan
Dobrota, Miloslav See Taylor, Andrew
Dodd, Leslie; McBride, James; Gitnick, Gary;
Howanitz, Peter; Rodgerson, Denis, 955
Dodd, Leslie G.; McBride, James; Gitnick,
Gary L.; Howanitz, Peter J.; Rodgerson,
Denis O., 797
Dodinval-Versie, J. See Schoos, R.

Denis O., 797
Dodinval-Versie, J. See Schoos, R.
Dohnal, James C.; Bowie, Lemuel J., 948
Dominiczak, M. H. See Kilpatrick, Eric S.
Dominiczak, Marek H.; Lee, Wai K.;
McGregor, Ellon; Junor, Brian J. R.; Lindop,
George B. M.; Briggs, J. Douglas, 1068
Donker, A. J. M. See Visser, J. J.

Donker, A. J. M. See Visser, J. J.
Donn, Rosy, 1010
Donnelly, D. See Wagner, Joseph D.
Donner, J. E. See Levine, Daniel M.
Donner, Joan; Skramstad, Dawn; Heinzerling,
Rollin; Lorenz, Jeffrey D., 1033
Dooley, Patrick; Wimmer, Cathy; Lacap,
Evelyn; Vecchio, Charles, 951
Doptis, P. D. See Zaydman, L.
Dorado, Carlos A. See Manzanares, Cecilia
Doria, M. I. See Candel, Antimo G.
Dorizzi, Romolo; Battaglia, Paglo; Lora.

Dorizzi, Romolo; Battaglia, Paolo; Lora, Antonio, 589

Dormans, Tom P. J.; Swinkels, Dorine W.; de Graaf, Jacqueline; Hendriks, Jan C. M.; Stalenhoef, Anton F. H.; Demacker, Pierre

N. M., 853 Dory, R. Cameron See Guinn, Carol Dotto, Paola See Plebani, Mario Douglas, J. See Eleiott, C.
Douglas, H. See Eleiott, C.
Douglass, H. See Bhargava, A.
Doumas, Basil T. See Bhand, Elaine
Dovichi, Norman J. See Zhang, Jian Zhong
Downs, D. See Fricker, R.

Downs, D. See Fricker, R.
Doyle, Ian R.; Ryall, Rosemary L.; Marshall,
Villis R., 1589
Draeger, E. See Wiedmeyer, H. M.
Drago, J. R., See Clejan, S.
Dragon, B.; Casareale, D.; Kung, K.; Wolfe, L.;
Giron, J., 1060
Draisey, Thomas F. See Catomeris, Peter
Drake, Patricia See Rej, Robert
Dray, F. See Boutten, B.
Dray, Fernand See Ezan, Eric
Draye, Jean-Pierre See Libert, Raymond
Drexel, Heinz See Jarausch, Jochen
Drozda, Ed See McCusker, Larry
Dubensky, T. W.; Lauderdale, V.; Marich, J. E.;
Podell, S.; Pontsler, A. V.; Rice, S. M.; Ruth,
J. L.; Jablonski, E. G., 611

Dubick, Michael A.; Summary, James J.; Greene, Jacqueline Y.; Wade, Charles E. 1801 Dubler, Robert See Hasz, Barbara; See Kuhn,

Donns

Donna
Duderstadt, Jackie See Dameron, Greg
Dudley, Alden W., Jr. See Singh, J.
Dudley, Denis K. See Perkins, Sherry L.
Duffy, C. See Ferre, F.
Duffy, Kelly See Kuhn, Donna
Duffy, M. J.; Brouillet, J-P; Reilly, D.;
McDermott, E.; O'Higgins, N.; Fennelly, J.
J.; Maudelonde, T.; Rochefort H., 101
Duffy, Patrick; Marshall, Catherine M.;
Gollogly, John, 973
—: Taylor, Lindsay; Gollogly, John; Sylvester,
Kim. 1001

Kim. 1001 Duffy, Thomas; Bales, Robert; Schall, Roy,

Duh, Show-Hong See Gregory, Linda C.; See Platoff, Gennady E. DuHamel, Barbara; Jensen, M.; Majewski, G.,

1030
Duheille, J. See Cuilliere, M. L.
Duktig, K. See Burrows, K. C.; See Shamberger, R. J.
Dumaual, N. G. See Dean, R. A.
Dumic, M. See Plavšić, V.
Dumont, L. See Kricka, L. J.
Duncan, C. See Romeo, R.
Duncan, Nancy See Shulok, Joseph
Dunlap, J. See Strobel, Susan A.
Dunnap, D. See Strobel, Susan A.
Dunn, D. See Gaillard, Christine
Dunn, Luann See Parker, K. Michael
Dupont, Alain G. See Gerlo, Erik A. M.
Duque, Isabel See Arribas, Ignacio
Durham, R. J. See Taddei-Peters, W. C. Durham, R. J. See Taddei-Peters, W. C. Durrant, I. See Simmonds, A. C. Duvall, R. M. See Altman, R. E.; See Altman, R.

Dybas, Marian See Rosano, Thomas; See Dybas, Marian See Rosano, Thomas; See Rosano, Thomas Dyson, E. H. See Jones, R. G. Dzieczkowski, J. See Klassen, Mary; See Lewandrowski, Kent

Earl, R. A. See Haven, M. C.; See Timmins, P.

W.
Earl, Robert; Sobeski, Linda; Timko, Denise;
Markin, Rod, 1774
Eaton, Phillip See Lowry, Sandra
Ebert, C. See Grol, M.
Ebert, Ch. See Hoyle, N. R.
Ebyt, William See Berk, Lee
Eckdahl, S. J. See Raasch, R. J.; See Raasch, R.

Eckdahl, Steven J. See Nixon, David E.
Eckfeldt, John H. See Bennett, Sterling T.
—; Lewis, Linda A.; Belcher, John D.; Singh,
Jasbir; Frantz, Ivan D., Jr., 1161; See
Uprichard, A. C. G.
Economou, Emanuel V. See Evangelatos,
Gregory P.
Eden, P. See Datta, P.; See Reichstein, E.
Edgeworth, Deb See Leo-Mensah, Anthony
Edling-Owens, Judith See Shaw, Leslie M.
Edmonds, Merrill W. See Tokmakjian, Sonya
D.

Edmundson, Allen B. See Hansma, Helen G. Edwards, Cinnamon See Langner, Jeffrey G. Edwards, Nancy See Quinn, Brian Egan, R. See Ennis, A. K.

Egan, R. See Ennis, A. K.
Eggelte, H. See Obzansky, D. M.
Eguchi, Lois; Greiner, Joel; Ong, Agus;
Cernosek, Rose Mary; Ashby, C. Dennis;
Knight, William, 1039
Ehresman, D. See Trujillo, G.
Ehrhardt, V. See Lehmann, P.
Ehrlich, Garth D., 609
Ehrmeyer, S. See Lapphear, B.
Ehrmeyer, S. See Laessig, R. H.
—; Laessig, R. H.; Leinweber, J. E., 955
Eick, D. See Bach, P. R.
Eilert, M. See Datta, P.
Einarsson, Roland See Jeppsson, Jan-Olof;

Eilert, M. See Datta, P.
Einarsson, Roland See Jeppsson, Jan-Olof; See
Jeppsson, Jan-Olof
Eisen, C. See Fleisher, Martin
Eisenberger, M. See Clejan, S.
Ekeke, G. I.; Anosike, E. O.; Ibeh, G. O.;
Uwakwe, A. A.; Monanu, M. O., 951
Ekindjian, O. G. See Roche, D.
Ekindjian, O. G. See Roche, D.
Ekindjian, O. G. See Roche, D.
Elilaf, Dia See Chapelle, Jean-Paul
El Allaf, Magdeleine See Chapelle, Jean-Paul
El Omari, R. See Cuilliere, M. L.
El-Hazmi, M. A. F.; Bahakim, H.; Al-Fawaz, I.,
940

-; Warsy, A. S.; Al-Momen, A. K.; Al-Harakati, M., 1071

M., 1071 -; Warsy, A. S., 940 El-Yazigi, Adnan; Bouchama, Abderrezak; Raines, Dale A., 986 —; Kanaan, Imaduddin; Raines, Dale A., 986

Eleiott, C.; Shaw, J.; Schmidt, A.; Zettler, G.; Douglas, J.; Hammond, E.; Feeter, D., 975 Elevitch, Franklin See Yen, Carrie

Elevitch, Franklin See Yen, Carrie
Elfath, Dean; Cooney, John; McDaniel,
Raymond; Szymanski, Irma, 931
Elfath, M. Dean; Cooney, John V.; McDaniel,
Raymond F., 955
Elia, M. See Khan, K.
Elin, Ronald J. See Emancipator, Kenneth; See
Emancipator, Kenneth; See Emmerich,
Ellen M.; See Emmerich, Ellen M.

—; Hosseini, Jeanette M.; Gill, John R., 1069;
See Hosseini, Jeanette M.; Gill, John R., 1069;

—; Hosseini, Jeanette M.; Gill, John K., 1009; See Hosseini, Jeanette M. —; Hosseini, Jeanette M.; Schmitz, John; Linnoila, Markku, 1069 Ellefson, Ralph D. See Nichols, James H. Ellekilde, Gertrude; von Eyben, Finn Edler; Holm, Jan; Hemmingsen, Lars, 1446 Elliott, Donald See Guruswany, Vino Filiatt Bahert See Werneke Debre Elliott, Robert See Werneke, Debra Ellis, Graham; Lee, Angelina, 939 Elving, L. D. See Giampietro, Ottavio Elwin, C.-E. See Lafolie, P. Emancipator, Kenneth; Elin, Ronald J., 924 —; Elin, Ronald J., 928 —; , 302

Emmerich, Ellen M.; Elin, Ronald J.; Ruddel,

Emmerich, Ellen M.; Elin, Ronald J.; Ruddel,
Mark, 938

—; Elin, Ronald J.; Ruddel, Mark, 1054
Emoto, Yutaka See Niwa, Toshimitsu
Emson, P. C.; Kiyama, H.; Augood, S. J.;
Morgan, C.; Ruth, J., 606
Endo, Yuichi See Takeoka, Keiko
Endres, David B. See Hawker, Charles D.

—; Villanueva, Rochelle; Scharp, Charles F., Jr.;
Singer, Frederick R., 162
Engel, D. See Coty, W.; See Coty, W.
England, J. E. See Little, R. R.; See Wiedmeyer,
H. M.

H M

H. M.
England, Jack D. See Little, Randie R.
Ennis, A. K.; Egan, R.; Strasser, B. L.;
Ashwood, E. R., 946
Enriquez, John I., Jr.; Schydlower, M.;
Keniston, R.; Weir, M.; Delgado, I., 1067
Eppler, Janice; Person, Nils B., 916
Epstein, Nava See Rosenthal, Murray A.
Ephil M. Kornel, Two Olana, Ellist, Mark Erbil, M. Kemal; Tunca, Osman; Bilgiç, Hayati;

Karaca, Levent, 917 -; Karayilanoglu, T.; Kutluay, T.; Karaca, Levent, 929 -; Kiling, Cumhur; Kutluay, Türker; Karaca,

Levent, 937 Erbil, M. Kermal; Özcan, Nurettin; Özbay, Tayfun; Demirci, Duran; Karaca, Levent, 927

927
Erdmann, Mary Dennis; Holt, John A., 940
Erdrich, C. See Hilborn, David A.; See Oenick,
Marsha D. Bale
Ernst, Pam See Toffaletti, John
Ernst, Roberta See Forni, Theresa
Eron, Lawrence J., 1102
Escares, Eduardo A. See Ooi, Daylily S.; See
Davisin Shory: I.

Perkins, Sherry L. Eschenfelder, Peter See Kantor, Raphe R. S. Escribano, Carmen Garcia See Arribas

Ignacio Espinosa, Gio; Fleuridor, Richardson; Killian, Carl, 1052 Essex, Myron E., 894

Essex, Myron E., 594
Eugui, J. See Thijssen, J. H. H.
Eurin, Benoit See Moldovan, Florina
Evangelatos, G. P. See Evangelatos, S. A.
Evangelatos, Gregory P.; Economou,
Emanuel V.; Livanion, Evangelia, 1039
Evangelatos, S. A.; Kakabakos, S. E.; Livaniou,
E.; Evangelatos, G. P.; Ithakissios, D. S.,

1306 Evangelista, Ramon A. See Templeton, Eva F.

Gudgin Evans, I. See Raymond, Anne; See Raymond,

Anne Evans, M. R. See Simmonds, A. C. Eveland, Barbara J. See Fuller, Kathleen A. Ezan, E. See Boutten, B. Ezan, Eric; Tiberghien, Christophe; Dray, Fernand, 226 Fabian, K. See Pennington, C.

Fabian, R. See Fennington, C. Fabian, Karri See Abano, Darla A. Fagan, G.; Salhaney, J.; Stochl, M.; Benway, M.; Casendino, M.; Walter, G.; Saul, R.; Metzmann, E., 1034

Fairchild, L.; Bartlett, C.; Myers, D.; Hammad, N., 999 ; Myers, D.; Hammad, N., 1011

—; Myers, D.; Hammad, N., 1911 Faivre, E. See Mereau-Richard, C. Faldasz, Brian D. See Lane, Michael J. Fan, Der-Fong, Dawson, Robert R.; Hartsock, Robert J., 1026 Fang-Hua, Chen See Wen-Fang, Huang

Fantoni, Massimo See Clerico, Aldo Farahmand, Shirin M. See Vladutiu, Adrian

O.
Farber, Sergio See Langbaum, Michael
Farmer, M. See Reichstein, E.
Farrell, K. See Bahar, I.
Fashola, Taiwo See Millane, Teri
Fashola, Taiwo See Millane, Teri
Faulknier, Sarah M.; Sinn, Judith A.; Herold, David A., 994
Feeter, D. See Eleiott, C. Feld, Ronald See Liffmann, Stanley; See Roberts, Pamela Roberts, Pamela, 947

Feldbruegge, Donald H. See Haessig, Lorene

Felden, Franck; Renkes, Pascal; Fremont, Sophie; Chambre, Jean-François; Champigneulle, Bruno; Gaucher, Pierre; Gueant, Jean-Louis, 1795 Felder, Robin A. See Herold, Christopher D.;

See Herold, Christopher D.; See Roberts, L.

B.
Feldman, Michael See Wingert, William
Feldman, Michael See Wingert, William
Feller, Paulette See Mangold, Dieter
Fellows, P. A. See Haven, M. C.
Fennelly, J. J. See Duffy, M. J.
Fennessey, Paul V. See Harrison, L. Mark
Fenton, John; Alsayrafi, Mohamed, 953
Ferber, Irene See Jensen, Todd
Ferdeghini, Marco See Pilo, Alessandro
Fere, Angelino See Mosca, Andrea
Fernandez-Rodriguez, E. See GonzálezRevaldería, J.
Ferrara, L. See Novros, J.
Ferrarai, Maurizio See Cremonesi, Laura; See
Cremonesi, Laura

Cremonesi, Laura Ferre, F.; Lewis, D.; Marchese, A.; Wallace, M.; Pezzoli, P.; Duffy, C.; McLaughlin, K.; Griffin, R.; Ripley, D.; Jensen, F.; Beecham,

Ferreri, Larry; Delmoro, Julie; Patton, Richard Ferreri, Larry; Delmoro, Julie; Patton, Richar G., 112 Fert, V. See Chauveau, J. Fickens, M. M. F. See Coenen, J. L. L. M. Fields, S. See Reilley, Therese Fiet, J.; Boudou, Ph.; Burthier, J. M.; Villette, J. M., 293

Fiet, Jean See Moldovan, Florina Filella, Xavier See Molina, Rafael

Filella, Xavier See Molina, Rafael
Filella, Xavier See Molina, Rafael
Filella, Kavier See Molina, Rafael
Filella, K. See Mauck, L.
Fine, B. See Gaillard, Christine
Finding, K. See Mauck, L.
Fine, B. See Gaillard, Christine
Findie, Bryan S.; Black, David; Blanke, Robert
V.; Butler, Thorne J.; Jones, Graham R.;
Sample, R. H. Barry, 586
Fiorenza, T. See Galliher, George
First, R. See Schroeder, T.
Fischery, G. See McNally, A. J.
Fischery, Johan See Valk, Kees
Fischer, T. J. See Callahan, J. B.
Fisher, M. See Obzansky, D. M.
Fishpaugh, Jeff See Harrington, Charles A.;
See Hartter, Daryl E.; See Hruska, Bob
Fitzgerald, Karen See Nehmadi, Friedah
Fitzpatrick, J. See Bhargava, A.; See Bhargava,
A.; See O'Donnell, A.
Fitzpatrick, Judith See DelRio, Eve; See

A.; See O'Donnell, A.

Fitzpatrick, Judith See DelRio, Eve; See Modh, Bhavna
Flaa, C. See Strobel, Susan A.
Flecheux, O. See Cuilliere, M. L.
Fleisher, Martin, 896

—; Eisen, C.; Schwartz, M. K., 961
Flett, Peter See O'Leary, Peter
Fleuridor, Richardson See Espinosa, Gio
Flom, Kerry J. See Miller, W. Greg
Flood, James G. See Puopolo, Patricia R.; See
Puopolo, Patricia R.; See Puopolo, Patricia R.

Flynn, F. V. See Norden, A. G. W. Foekens, J. A. See Kienhuis, C. B. M. Foemmel, Richard S. See Shahangian,

Foemmel, Kicharu S. See Shahanger, Shahram Foglia, J. P. See Lin, F. C.; See Perel, J. M. Foley, Tom See Anderson, Geoffry Fong, J. See Coty, W. Foo, A. Y. See Rosalki, S. B. Forbes, M. A.; Cooper, E. H.; Brandt, R.; Hedlof, E., 1026; See Jones, R. G.; See Turney, J. H.

Ford, H. C.; Johnson, L. A., 759
Forgiel, Denise See Levinson, Stanley S.
Forman, Donald T. See Breyer, Emelita
—; Bradford, Blair U.; Seed, Casandra B.;
Thurman, Ronald G., 1066
Forni, Theresa See Anne, Lakshmi -; Ernst, Roberta; Burling, Lillian; Gottwald, Ken, 1005

Ken, 1005 Forsman, Rodney W.; O'Brien, John F., 347 Fossati, P. See Huet, G. Foster, A. See Ashwood, E.; See Ashwood, E. R.;

Foster, A. See Ashwood, E.; See Ashwood, E. See Birtwhistle, C.
Foster, Ann See Heeter, Carol
Foster, Kim See Cahill, Patrick
Foster, Lowell B., 1102
Fottrell, Patrick F. See Power, Michael J.
Fournier, B. See Vincent-Viry, M.
Fowler, Larry See Breyer, Emelita
Fowler, Mary See Longhurst, Sharon
Fowler, S. J. See Simmonds, A. C.
Frame, P. T. See Stretcher, B. N.
Francis, Linda M. See Brown, Scott M.
Francy, Robert J.; Marcus, Martin, 980
Franken, Norbert; Lenz, H.; Maier, J.;
Kessler, A., 1035

Kessler, A., 1035
Frantz, Ivan D., Jr. See Eckfeldt, John H.
Franzini, Carlo; Morelli, Anna M.; Cattozzo,
Gianpaolo, 236
Fraser, C. G. See Fuentes-Arderiu, X.; See
Nicoll, G. W.

Nicol, G. W.
Frayn, Keith Nt.; Humphreys, Sandy M., 1301
Frazier, D. M. See Yu, Li
Fredricks, Myra See Love, Annie
Freedman, D. S. See Otvos, J. D.
Freedman, David See Otvos, J. D.
Freedman, David See Otvos, J. D.
Freedman, Ruth G. See Schneyer, Alan L.
Fregeau, Geneva R. See Bovill, Edwin G.
Freier, E. See Stone, J.
Fremont, Sophie See Felden, Franck
French, Carol A.; Mooney, Robert A.; Arvan,
Dean A.; Rizzo, Gary T.; Peterson, C.
Jeanne; Segel, George B., 1019
Frenchko, Carla E. See Ward, Kory M.
Fricker, R.; Brigandi, T.; Taylor, D.; Smith, J.;
Bogovich, M.; Li, C.; Day, B.; Grogan, S.;
Herman, C.; Downs, D., 989
Friedberg, Richard C.; Spyker, Daniel A.;

Herman, C.; Downs, D., 989

Friedberg, Richard C.; Spyker, Daniel A.;
Herold, David A., 1205

Friedman, Ken See Kopten, Elana; See Yu, Li
Friedman, Kenneth J.; Highsmith, W.
Edward, Jr.; Silverman, Lawrence M., 753

Frings, Christopher S., 1102

Fritch G. See Bussian, R. W.
Fritsche, H. See Hutton, J.; See King, Carol

Fritsche, Herbert A. See Shahangian,
Shahram; See Shahangian, Shahram

Fruchart, Jean-Charles, 893

Fry. Henry: Blick, Kenneth E.; Garnica, Adolfor

Fruchart, Jean-Charles, 893
Fry, Henry; Blick, Kenneth E.; Garnica, Adolfo; Blackett, Piers R., 933
Fu, Irong; Bowers, Larry D., 1185
Fu, Joseph See Chang, Annjoy
Fu, Paul C.; Heshemi, Fariba; 1037
—; Hashenue, Fariba; Hou, Greg; Chan, Albert; Lin, J. C. M., 970
Fuchs, Dietmar See Reibnegger, Gilbert
Fuchs, J. See Rotenberg, Z.
Fuentes-Arderiu, K.; Ortolá, J.; Castiñeiras, M. J.; Fraser, C. G., 2158; See Juan-Pereira, L., See Ortolá, J.
Fueyo, Antonio See Balbín, Milagros
Fujii, S. See Amano, S.
Fujii, Youichi; Ikeda, Yukari; Yamazaki, Mitsuru, 476

Fujii, Youichi; Ikeda, Yukari; Yamazaki,
Mitsuru, 476
Fujimoto, Masao See Katoh, Hirohisa
Fujimoto, Masao See Katoh, Hirohisa
Fujino, Keizo See Shimojo, Nobuo
Fujise, Yutaka See Horiuchi, Kentaro
Fujita, Minoru See Kubotsu, Kazuhisa
Fujita, S. See Yoneda, Koji
Fujitsuka, Satoshi See Yoshioka, Shigetake
Fujiwara, Futoshi See Shimizu, Akira
Fujiwara, Masato, 1375
Fukui, Hideo, Maruyama, Atsuko; Tokuda,
Chikashi; Sakabe, Masahiro; Asahina,
Toshiro, 1031

Chikashi; Sakabe, Masahiro; Asahina, Toshiro, 1031
Fulcher, L. M. See Norden, A. G. W. Fuller, K. A.; Brown, W. S.; Koenig, J. W.; Hinds, B. J.; Scott, M. G., 994
Fuller, Kathleen A.; Brown, Wayne S.; Koenig, John W.; Eveland, Barbara J.; Scott, Mitchell G., 2150
Fumagalli, A. See d'Eril, GianVico Melzi Fung, S. L. M. See Ho, C. S.
Funke, Harald See Motti, Corradino Fyhrquist, Frej See Teppo, Anna-Maija Fyles, J. See Danielson, Susan J.
Góth, László, 2043
Gürtler, L. G. See Dati, F.; See Sauder, K.

e Thijssen, J. H. H. Gaessler, H. S. Gaessler, H. See Thijssen, J. H. H.
Gail, Mitchell H. See Goedert, James J.
Gaillard, Christine; Nogueira, C.; Dunn, D.;
Fine, B.; Jenkins, T.; Kallenbach, J.;
Kilroe-Smith, T., 1065
Galindo, G. See Strobel, Susan A.
Gallagher, J. V.; Rifai, N.; Corry, J.; Soldin, S.
J., 1384
Gallerher, M. See Corresponder.

Galligher, M. See Corcoran, K. A. Galliher, G. See Wolf, Steve Galliher, George; Fiorenza, T.; Geiger, L. J.; Goodale, D.; Hruska, T.; Stockert, L.; Wolf,

Goodale, D.; Hruska, T.; Stockert, L.; Wolf, S., 969
Gallo, Dana See Spadoro, Joanne
Galteau, M. M. See Vincent-Viry, M.
Gamble, J. See Regan, J.
Gan, B. K. See Langner, Jeffrey G.
Gange, Richard W. See Sutherland, Betsy M.
Gao, Yong-Ming See Chan, Daniel W.
Garbowit, David See Krakoff, Lawrence R.
García-Beltrán, Lydia See Lehmann, Paul
García-Bermejo, S. See González-Revaldería, J.

Garcia-Webb, P.; White, William I., 1660 Garcia, Ana M.; Campos, Francesc; Pou, Leonor, 2020

Leonor, 2020
Gardner, M. L. G. See Reed, P.
Garg, Satish K. See Chase, H. Peter; See
Giampietro, Ottavio
Garin, J. P. See Martens-Düring, B.

Garner, William See Baker, Harold N. Garnica, Adolfo See Fry, Henry Garretson, Susan See Gosney, Kimiko Garrett, C. See Loper, J. Garrett, Patricia See Longhurst, Sharon

Garrett, Patricia See Longnurst, Snaron Garry, Philip J., 905 Garti, M. See Rotenberg, Z. Gasparro, C. See Jones, R. G.; See Jones, R. G.; See MacNamara, E. M. Gasper, Paul D.; Khaja, G.; Reddy, M. Narahari, 1013 Gasser, F. See Sapin, R. Gastaldi, Attilio See Panteghini, Mauro Gatalica, Zoran; Vrcic, Hrvoje; Borer, William Z., 765

Gatalies, Zoran; Vrci, Hrvoje; Borer, William Z., 765.

—; Borer, William Z., 1061

Gaub, Hermann E. See Hansma, Helen G.

Gaucher, Pierre See Felden, Franck

Gault, M. H.; Longerich, L.; Prabhakaran, V.;

Purchase, L., 921.

Gaumond, B. See Kilroy, J.

Gaumond, Bruce; Kilroy, John; Ling, Eleanor;

Zhou, Anna, 1022

Gayras-Harslambos, 1828

Gavras, Haralambos, 1828 Gaylord, H. See Corcoran, K. A. Gazzetti, Paolo See Balzan, Silvana; See Clerico, Aldo

Clertoc, Aldo Gebre, Abraham K. See Nanjee, M. Nazeem Geen, Robert J. See Leerink, C. Bas Geier, Michael See Goldman, Mark Geiger, L. J. See Galliher, George Geilenkeuser, Wolf-Jochen See Schlebusch,

Harald. See Stretcher, B. N. Gemma, Nicholas W. See Herold, David A. Genge, James R. See Myo-Khin

—; 2019
Genger K. See Coleman C.

Genger, K. See Coleman, C. Genger, Kevin See Khalil, Omar S.; See Khalil, Omar S.

Ömar S.
Gentrup, B. See Vasiliades, John
George, Peter M. See Sheat, J. Merle; See
Walmsley, Trevor A.
Georgette, C. See Williams, L.
Gerbaut, L. See Macart, Michel
Gerbaut, Lucile, 2117
Gerhardt, W.; Katus, H.; Ravkilde, J.; Hamm,
C.; Jørgensen, P. J.; Peheim, E.; Ljungdahl,
L.; Löfdahl, P., 1405
Gerlo, Erik A. M.; Schoors, Danny F.; Dupont,
Alain G., 875

Alain G., 875
Germanà, Bastianello See Plebani, Mario
Geronimo, E. See Trujillo, G.
Gerritse, Koen See Zegers, Netty D.
Geven, W. B.; Vogels-Mentink, G. M.; Willems,
J. L.; Os, C. H. v.; Hilbers, C. W.; Joordens,
J. J. M.; Rijksen, G.; Monnens, L. A. H.,

2076

2076
Ghahramani, M. See Sachs, Ch.
Ghione, Sergio See Balzan, Silvana
Giampietro, O. See Gregori, G.; See Penno, G.
Giampietro, Ottavio; Cruschelli, Lorella;
Penno, Giuseppe; Navalesi, Renzo; Clerico,
Aldo; Elving, L. D.; Bakkeren, J. A. J. M.;
Jansen, M. J. H.; de Kat Angelino, C. M.;
Osberg, Iris; Chase, H. Peter; Garg, Satish
K., 591; See Matteucci, Elena

Gibassier, Jacqueline See Massart, Catherine Giboudeau, Jacqueline See Vaubourdolle, Michel

Michel
Gilbertson, J. See Reason, Craig H.
Gill, John R. See Elin, Ronald J.
Gillespy, William G., 1132
Gillum, Ronald L. See Blick, Kenneth E.
Gillumore, J. M. See Kramer, S.; See Kramer, S.
Gingerich, Ronald L. See Shalwitz, Robert A.
Girard-Globa, A. See Roche, D.
Girard-Globa, Anik See Atger, Véronique
Giron, J. See Dragon, B.
Gitnick, Gary See Dodd, Leslie
Gitnick, Gary L. See Dodd, Leslie G.
Giugliani, Roberto See Neto, Eurico Camargo;
See Neto, Eurico Camargo
Gladh, S. A See Jones, A. W.
Glass, Michael W. See Skogerboe, Kristen J.
Gleeson, Maree; Henry, Richard L., 112; See

Gleeson, Maree; Henry, Richard L., 112; See

Simm. Brett Glick, Melvin R.; Ryder, Kenneth W.; Pemberton, Michael B., 932; See Ryder, Kenneth W.; See Ryder, Kenneth W.; See

Kenneth W.; See Kyder, Kenneth W.; See Solano, Romeo I. Gnat, Daniele See Jarausch, Jochen Gnezda, Matthew F.; Dearth, Kimberly A., 929 Godwin, Ira D. See Chou, Peter P.; See Cooper, Debrah; See Ronald, Beverly; See Sopata, Joseph R.

Joseph R.
Goedert, James J.; Gail, Mitchell H., 486
Goedhuys, W. See Laureys, M.
Goeken, James A. See Lutz, Charles T.
Goetze, A. See Arabshahi, L.
Goldberd, M. See Khan, Shaista
Goldman, Janice O. See Levinson, Stanley S.
Goldman, Mark; Geier, Michael; Zehnder,
Donald; Wang, Alice; Henriksson, Thomas,
1522 1593

Goldschmidt, H. M. J.; de Rave, S.; van Deursen-Ketelaars, M.-J., 938 Goldsmith, Barbara M.; Dang, Loc; Kowatsch,

Goldsmith, Barbara M.; Dang, Loc; Kowatsch, William, 1022
—; Palmer-Foust, Annette, 946
Goldstein, D. E. See Little, R. R.; See Wiedmeyer, H. M.
Goldstein, David E., 900; See Little, Randie R.
Goldstein, Phillip; Sundaram, Shan; Manimekalai, Saravanan; Abirami, S.; Vacenthi, S. 904

Manimekalai, Saravanan; Abirami, S.; Vasanthi, S., 934 Goldstein, Tamara See Gruener, Nachman Golightly, Marc G., 1102 Golkar, Sholeh See Anderson, Geoffry Gollogly, John See Duffy, Patrick; See Duffy,

Patrick
Gomela, L. G. See Clejan, S.
González-Revaldería, J.; García-Bermejo, S.;
Menchén-Herreros, A.;
Fernandez-Rodríguez, E., 596
González-Rivera, M.; Pedromingo-Marino, A.;
Spanish Study Group on Urianalysis, 954
Goodale, D. See Galliher, George
Goodale, Laces S. 809

Goodale, D. See Galliher, George
Goodwin, James S., 904
Goodwin, James S., 904
Goodwin, M. See Deam, D.
Googins, MaryKay; Apple, Fred S., 1010
Gordon, Cynthia See Chen, Shi-Han
Gordon, K. See Reilley, Therese
Gore, M. See Sheldon, Joanna
Gorman, Kevin M.; Daiss, John L., 1034
Gornet, T. G. See Wu, A. H. B.
Gornet, Terri See Jones, Lynn A.
Gorski, Thaddeus P.; Campbell, Duncan J.,
1390
Gorus, F. See Laureys, M.
Gorus, F. See Laureys, M.
Gorus, Frans K. See Cobbaert, Christa; See
Laureys, Muriël
Gosling, James P., 1096
Gosney, Kimiko; Garretson, Susan; Schiller,
Harvey S., 1025
Gossett, K. A.; Pruden, D. J.; Jimenez, H. R.;
Barbolt, T. A.; Greener, Y.; Zelinger, D. J.,
1065

Gosting, L. H. See Monji, Nobuo Goto, Sachiko See Kubotsu, Kazuhisa Gottwald, Ken See Anne, Lakshmi; See Forni,

Theresa
Gouget, B.; Andriamahatratra, R; Gourmelin,
Y.; Truchaud, A., 292
—; Andriamahatratra, R.; Gourmelin, Y.;
Truchaud, A., 946
Gourmelin, Y. See Gouget, B.; See Gouget, B.
Goussard, J.; Lechevrel, C.; Roussel, G.; Cren,
H.; Bera, O.; Sala, M., 1759
Gouzalez-Revalderia, J.; Sabater, J.;
Villefrale, J. J.; Orthio, J. 2157

Gouzalez-Revalderia, J.; Sabater, J.; Villafruela, J. J.; Ortuño, J., 2157 Gow, S. See Thijssen, J. H. H. Gozlan, Orly See Gruener, Nachman Grünn, Ursula See Schlebusch, Harald Graby, C. See Mauck, L.

Gradeen, Claire Y. See Chan, Siu C.; See Gradeen, Claire Y. See Chan, Siu C.; Gradus, M. Stephen See Linke, E. George Grady, Harold See Helgerman, Al Graff, D. See Caruthers, M. H. Grafstein, Ellen See Hill, Craig Graham, B. See Williams, L. Graham, G. A. See Wu, A. H. B. Granger, Thierry See Templeton, Eva F. Gudgin

Gudgin
Grant, John B. F. See Price, Alun
Grant, Susan See Walmsley, Trevor A.
Grard, G. See Huet, G.
Gray, Diana L. See Parvin, Curtis A.
Gray, Trevour A. See Price, Alun
Green, B. See Groskopf, W.
Green, E. K.; Bain, S. C.; Day, P. J. R.; Barnett,
A. H.; Charleson, F.; Jones, A. F.; Walker,
M. R., 1263
Green, J. H. See Braymley, P. N.

A. H.; Charleson, F.; Jones, A. F.; Walker, M. R., 1263
Green, J. H. See Bramley, P. N.
Green, J. H. See Bramley, P. N.
Green, S. H. See Ward, Kory M.
Greenberg, N. See Daggett, S. G.; See O'Grady, M. V.; See Weber, T. A.
Greenberg, Neil See Miller, W. Greg
Greene, Douglas A., 900
Greene, Jacqueline Y. See Dubick, Michael A.
Greener, Y. See Gossett, K. A.
Greer, Jewel See Buffone, G. J.
Greggri, R. E. See Huang, C. M.
Greggire, T. See Kricka, L. J.
Greggorie, T. See Kricka, L. J.
Greggorie, G.; Penno, G.; Bertoli, S.; Del Chicca, M. G.; Lucchetti, A.; Cruschelli, L.;
Nannipieri, M.; Rizzo, L.; Navalesi, R.;
Clerico, A.; Giampietro, O., 941
Gregori, Giovanna See Matteucci, Elena
Gregory, Llinda C.; Duh, Show-Hong; Koch,

Gregori, Giovanna See Matteucci, Elena Gregory, Linda C.; Duh, Show-Hong; Koch, Thomas R., 961 Greiner, Joel See Eguchi, Lois Greisen, Kay S.; Leong, Diane U.; White, Thomas J., 1059 Grenberg, Harvey See Heal, Albert Grenier, Alain See Guédeney, Xavier Gresalfi, Nancy J. See Oberhardt, Bruce J. Gressner, A. M. See Kropf, J.; See Schahbazfar,

A. Gresner, Axel M. See Kropf, Jürgen Grevel, Joachim; Kahan, Barry D., 1905 Griesser, H. W. See Thijssen, J. H. H. Griffin, Jeanine See Grover, Sanjeev Griffin, Marga L. See Schmidt, Charles F. Griffin, R. See Ferre, F. Griffiths, W. C. See Velletri, K. Groetsch, H. See Wiedmeyer, H. M. Grogan, S. See Fricker, R. Grol, M.; Stock, W.; Ebert, C., 1027 Groskopf, W.; Green, B.; Sohn, L.; Hsu, S., 587 Groskopf, W. R.; Necklaws, E.; Osikowicz, E., 937 A

937
Gross, Susan See Chen, Katherine; See Chen,
Katherine H.
Grossl, N. A. See Candel, Antimo G.
Grote, Jonathan See Kuhn, Donna
Grove, Thomas H. See Cano, Carlos; See
Cooper, Marc; See Predescu, Rodica; See
Tsunokawa, Mutsuko
Crosse, Phythyrinden K. Resnick, Martin I.

Grover, Phulwinder K.; Resnick, Martin I., 1050

1050
Grover, Phulwinder, K.; Resnick, Martin I., 1063; See Vafa, Ahmad Z.
Grover, Sanjeev; Griffin, Jeanine; Odell, William D., 2069
Gruener, Nachman; Gozlan, Orly; Goldstein, Tamara; Davis, Judith; Besner, Irit; Iancu, Theodore C., 263
Guédeney, Xavier; Chanez, Claude; Grenier, Alain; Scherrmann, Jean-Michel, 1900
Guder, Walter G. See Hallbach, Jürgen
Gudnason, Vilmundur; Humphries, Steve, 2137

2137
Gueant, Jean-Louis See Felden, Franck
Guemouri, Laila; Artur, Yves; Herbeth,
Bernard; Jeandel, Claude; Cuny, Gérard; Siest, Gérard, 1932
Gufflet, Valérie See Vaubourdolle, Michel
Guida, Diane; Janetschek, Robert, 979
Guilhem, Isabelle See Massart, Catherine
Guillemain, R. See Myara, I.
Guillin, M. C. See Lammers, Manfred
Guinn, Carol; Dory, R. Cameron; Jackson,
James, 1001

James, 1001
Guintu, D. C. See Baker, Derek P.
Gunter, Elaine W. See Sowell, Anne L.
Gupta, M. See Hutton, J. Guruswamy, Vino; Elliott, Donald, 947 Guruswamy, Vino; Elliott, Donald, 947 Gustafson, E. K. See Tsay, Y. G. Hélène, Claude; Thuong, Nguyen, T., 615 Haas, R. G. See Lipke, D. L. Hachulla, E. See Saïle, R.

Haden, B. See Baca, Lori; See Cheung, Man-Kam; See Powell, Diane; See Wagner, Joseph D.; See Worthington, Lorne Joseph D.; See Worthington, Lorne Haegele, Albert D. See Wade, Stephen E. Haessig, Lorene K.; Feldbruegge, Donald H.; Urban, Elizabeth A.; Koch, David D., 932 Hafkenscheid, Jan C. M. See Backer, E. T. Hage, David S.; Taylor, Bob; Schryver, Pat; Kao, Pai C., 117 Hahn, Peter J. See Lane, Michael J. Haig, Broatch See Voss, Ellen Haines, D. S. Milton See Tokmakjian, Sonya

D. S. Milton See Tokmakjian, Sonya D.
Hajzer, Stefan, 972
Hale, W. A. See Rushkowski, Janet
Hall, Colin See Holden, Kathryn D.
Hall, Janet E. See Schneyer, Alan L.
Hall, Rebecca L. See Bland, Elaine
Hall, Reginald See John, Rhys
Hallbach, Jürgen; Hoffmann, Georg E.;
Guder, Walter G., 566
Haller, B. L.; Brown, W. S.; Koenig, J. W.;
Hinds, B. J.; Scott, M. G., 1023
Halsall, H. Brian See Tang, Hua T.
Halverson, Kevin See Malik, Sohail
Hamano, Kyoko See Abe, Akira
Hambidge, K. Michael See Koo, Winston W.
K.

K.
Hamdy, Bariah; Kamel, M.; Hamed, R.; Khalil, O., 979
Hamed, R. See Hamdy, Bariah
Hamlin, Clive R.; Black, Audrey L.; Opalek, Julia T.; Peltonen, Pekka, 1460
Hamm, C. See Gerhardt, W.
Hammad, N. See Fairchild, L.; See Fairchild, L.
Hammad, Nadia See Burling, Lillian
Hammarstrom, Margareta See Sgoutas,
Demetrics

Hammarstrom, Margareta See Sgoutas, Demetrios Hammond, E. See Eleiott, C. Hammond, Herbert C. See Magid, Erik Hamon, M. See Sadeg, N. Hanbery, J. See Prinsen, Johanna Handa, Makoto See Katayama, Masahiko Hanish, John See McClelland, Michael Hanlon, Douglas J. See Lane, Michael J. Hanna, Charles F. See Khalil, Omar S.; See

Khalil, Omar S. Hannabery, J. See Nadig, K. B.; See Volkert, R.

M.
Hanning, J. See Thijssen, J. H. H.
Hannon, W. Harry See Cooper, Gerald R.; See
Henderson, L. Omar
Hansen, Joel B.; Hochberg, Alan; Loyd, Joe E.;

Hansen, Joel B.; Hochberg, Alan; Loyd, Joe E. Miller, Warren, 1023

Hansma, Helen G.; Weisenhorn, Albrecht L.; Edmundson, Allen B.; Gaub, Hermann E.; Hansma, Paul K., 1497

Hansma, Paul K. See Hansma, Helen G.

Hanson, Carl See Spadoro, Joanne

Happe, Tom; Booth, Kim; Rundell, Clark, 933

Haque, D. H.; Pleban, P. A.; Alexander, N. J.,
930

Harbron, S. See Obransky, D. M.

930

Harbron, S. See Obzansky, D. M.
Hardeman, Derk; Backer, Egbert T., 2010

Harder, Pat See Khalil, Omar S.

Harell, D. See Rotenberg, Z.

Harell, M. See Rotenberg, Z.

Hargis, G. K.; Brunette, J. J.; Jones, E. A.;

Kukrgia, S. C., 1649

Hariharan, M.; Nagasundaram, N.; VanNoord, T.; Haskett, R., 939

VanNoord, Ted, 1276

Harke, Heather R. See Zhang, Jian Zhong

Harker, K. See King, Carol

Harmoinen, Aimo; Sillanaukee, Pekka; Jokela,

Hannu, 563

Hannu, 563
Harri, M. See Lizer, Della; See Lum, Siew-Kam;

See Ramsey, Marie Harri, Monica See Daniels, Jennifer A. Harrington, Charles A.; Adamczyk, Maciek; Johnson, Don; Place, Linda; Fishpaugh, Jeff, 1006

1006
Harris, B. See Mauck, L.; See Novros, J.
Harris, B. A. See Kozuch, S. A.
Harris, Barbara See Sellers, Donald R.
Harris, Eugene K.; Wong, Edward T.; Shaw, S.
T., Jr., 1580
Harris, Sherrie See Chase, H. Peter
Harrison, Harold H.; Keren, David F., 1062

—; ,1559

—; Mayl; Mowison, John F.

—; , 1959 Harrison, L. Mark; Morrison, John E.; Fennessey, Paul V., 1739 Harthé, Catherine; Claustrat, Bruno; Brun, Jocelyne; Chazot, Guy, 536 Hartsock, Robert J. See Fan, Der-Fong Hartter, Daryl E.; Adamczyk, Maciek; Roberts, Brad; Johnson, Don; Fishpaugh, Jeff, 1006

Harty, D. C. See Dean, R. A. Harvey, James A. See Mahoney, John J. Harvey, Michael See Bush, Chris Hasegawa, Nobuhiro See Togashi, Kazuyoshi Hasegawa, Nobuhiro See Togashi, Kazuyosh Hasegawa, R. See Yamaji, T. Hasegawa, T. See Matsuura, Tauneaki Hashenue, Fariba See Fu, Paul C. Hashimoto, Naosumi See Niwa, Toshimitsu Hashimoto, Noriaki See Carey, Doug Haskell, Betty E. See Hutter, J. A. Haskelt, R. See Hariharan, M. Haskins, Cheryl M.; Mukerjee, H.; Pincus, Matthew R., 915
Hasselberg, S.; Bodman, V.; Nealon, D.; Kane,

M.; Schwarz, K., 966 Hasselman, J. J. F. See de Jong, J. G. N. Hassemer, D. See Lanphear, B. Hassemer, D. J. See Lasky, F. D. Hassemer, David J.; Hill, Barbara M.; Schaeve, Marcia D., 919 Hassett, J. See Hilborn, David A.; See Oenick, Marsha D. Bale

Hasz, Barbara; Hu, Hsiang-Yun; Dubler, Robert; Walling, John; Simpson, Janice, 1002

1002

Hata, Junichoro See Matsumoto, Ken

Haven, M. See Bottjen, P.

Haven, M. C. See Arnold, L. L.

—; Earl, R. A.; Baird, J. L.; Fellows, P. A., 913

—; Sobeski, L. M.; Markin, R. S., 1013; See

Orsulak, P. J.; See Timko, D. M.

Haver, Virginia M. See Clark, Gregory D.

Hawker, Charles D.; Nussbaum, Samuel R.;

Endres David B. 1464

Hawker, Charles D.; Nussbaum, Samuel R.;
Endres, David B., 1464
Hay, Alastair See Wolff, Kim; See Wolff, Kim
Hay, And D.; Bayer, Monika F.; Kaplan, Michael
M.; Klee, George G.; Larsen, P. Reed;
Spencer, Carole A., 2002
Hayashi, Kiyotaka See Kunishima, Shinji
Hayashi, Kyozo See Ohta, Mitsuhiro
Hayashi, T. See Amano, S.
Hayashi, Tokishi See Ueshiba, Hajime
Hayas, Hayes, Ellen See Lee, Mensah, Anthony Hayes, Ellen See Leo-Mensah, Anthony Hayes, Li. W. See Otvos, J. D. Hayes, Lyle See Rosano, Thomas Hayes, Lyle W. See Rosano, Thomas G. Hazelwood, Loren F. See Wallace, Brian H.

Hazelwood, Loren F. See Wallace, Brian H. Head, T. See Prinsen, Johanna; See Raymond, Anne; See Trundle, Diana Heal, Albert; Tyson, Ian; Martin, Marilyn; Grenberg, Harvey, 931 Healy, S. See Iocco, G. Heath, David A. See Ratcliffe, Wendy A.; See

Ratcliffe, Wendy A. Heath, V. See Schneider, M. C.

Hedaya, E. See Roman, J. Hedlof, E. See Forbes, M. A. Heeter, Carol; McMilin, Kenneth D.; Foster,

Ann, 933

Heighton, R. W. See Bramley, P. N.
Heim-Duthoy, Karen L. See Awni, Walid M.
Heineman, William R. See Tang, Hua T.
Heinle, J. See Mauck, L.
Heinrich, Jürgen; Sandkamp, Martin; Kokott,
Renate; Schulte, Helmut; Assmann, Gerd,

1950

1950
Heinzerling, R. H. See Levine, Daniel M.
Heinzerling, Rollin See Donner, Joan
Helgerman, Al; Grady, Harold, 762
Helseth, Peter H. See Apple, Fred S.
Hemmingsen, Lars See Ellekilde, Gertrude
Hemstreet, Jane; Jensen, M.; Majewski, G.,
1030

Henderson, A. Ralph See Loung, Fred Y.

—; Stark, Judith A., 915
Henderson, L. Omar See Cooper, Gerald R.

—; Hannon, W. Harry; Powell, Mary; Martin, M.
Louise, 1017

Louise, 1017.

Henderson, Maureen See Bankson, Daniel Henderiks, Jan C. M. See Dormans, Tom P. J. Henneberger, Michael See Wen, Long T. Hennigan, Laura See Zytkovicz, T. H. Henny, Joseph See Lehmann, Paul Henriksson, Thomas See Goldman, Mark Henry, Richard L. See Gleeson, Maree Henton, D. See Shemberger, P. J. Henton, D. See Shamberger, R. J. Henton, Donaby See Bland, Elaine Herberman, Ronald B., 907 Herbeth, Bernard See Guemouri, Laîla Herman, C. See Fricker, R. Hermans, Dominique See Libert, Raymond Hernández-Garcia, Rosario See Jaqueti,

Jerónimo Hernandez, M. R. See Akhabue, Beatrice E.; See Siemon, Peggy

Hernandez, Marta R.; Akhabue, B. E.; Hernandez, Marta R.; Akhabue, B. E.;
Antonian, E.; McNally, A. J.; Siemon, P.;
Salamone, S. J., 1007
Herold, Christopher D.; Herold, David A.;
Felder, Robin A.; Bourgeois, F. John; Martin,
Barbara; Herold, David A.; 76
Herold, David A.; Kinter, Michael; Aggarwal,

Herold, David A.; Kinter, Michael; Aggarwal, Suresh K., 983

—; Kinter, Michael; Aggarwal, Suresh K., 984; See Boyd, James C.; See Faulknier, Sarah M.; See Friedberg, Richard C.

—; Aggarwal, Suresh K.; Kinter, Michael; Nicholson, James; Shipe, James R., Jr.; Gemma, Nicholas W., 993; See Herold, Christopher D.; See Herold, Christopher D. Herring, Kathryn; Sandberg, Denise, 981

—; , 978
Hertle, V. See Coty, W.
Herz, Reinhard See Hubbuch, Arnulf
Herzenberg, Leonard A., 899
Heshemi, Fariba See Fu, Paul C.
Hess, P. Patrick, Jr.; Shaikh, I. M.; Valdes, R.,

Hesse, P. Patrick, 9r.; Snaikh, I. M.; Valde Jr., 1039 Hessel, G. R. See Candel, Antimo G. Heucek, Claus C.; Deom, André, 490 Heuvel, J. J. T. M. See Kienhuis, C. B. M. Hewitt, C. D. See de Wolff, Frederik A.

Hewitt, C. D. See de Wolff, Frederik A.

Heyndrickx, L. M. See Pollet, D. E.

Hiatt, William R. See Houck, Catherine M.

Hicksey, Michael See Chen, Katherine M.

Hicks, Jocelyn M., 897

— Soldin, Steven J.; Iosefsohn, Mariet; Chou,

Peter, 967; See Soldin, Steven J.

Hicks, M.; Cook, James; Beatey, Janet; Bailey,

Jimmy; Soldin, Steven J., 989

Higashimoto, K. See Yamamoto, Katsuhiko

Higgins, Trefor See Rostron, Patricia

Higginson, J. See MacNamara, E. M.

Highsmith, W. E. See Kopten, Elana

Highsmith, W. E. See Kopten, Elana

Highsmith, W. E. See Kopten, Elana

Highsmith, W. E. See Friedman,

Kenneth J.

Kenneth J Highsmith, William Edward, Jr., 903 Hikita, A. See Ashihara, Yoshihiro Hilbers, C. W. See Geven, W. B. Hilbers, C. W. See Geven, W. B.
Hilborn, D. See Oenick, Marsha D. Bale
Hilborn, David A.; Oenick, M. Bale; Danielson,
S.; Mauck, L.; Dappen, G.; Erdrich, C.;
Bryne, D.; Thomas, G.; Hassett, J., 1034
Hilgers, T. See Vasiliades, John
Hill, B. See Lanphear, B.
Hill, Barbara M. See Hassemer, David J.
Hill Craite Carrier, Wiley Creekstein, Ellany

Hill, Barbara M. See Hassemer, David J. Hill, Craig; Cerrito, Mike; Grafstein, Ellen; Rao, Sreenivas; Wolfert, Robert, 1019 Hill, D. W. See Verdon, C. P. Hill, Dennis See Anderson, Donna Hill, Dennis See Anderson, Donna

Hill, M. See Lizer, Della; See Lum, Siew-Kam; See Ramsey, Maria Hill, Molly See Daniels, Jennifer A. Hill, P. G.; Thompson, S. P.; Holmes, G. K. T.,

Hill, P. G.; Thompson, S. P.; Holmes, G. K. T., 647
Hill, T. See McKeon, Kelly
Hiltibran, Glen See Abano, Darla A.
Hiltibran, R. See Pennington, C.
Hilton, Diane See Anderson, Phil
Hinberg, I. See Poon, R.
Hinchman, Carolyn See Sullivan, Mark A.
Hinchman, Carolyn R. See Scalice, Edward R.
Hinchman, Carolyn R. See Scalice, Edward R.
Hinchy, V. See Billing, Janet
Hinda, B. J. See Fuller, K. A.; See Haller, B. L.;
See Hopson, D. K.; See McClellan, A. C.
Hino, Fumitsugu See Katayama, Masahiko;
See Katayama, Masahiko; Kurome, Toru; Kato,
Katayama, Masahiko; Kurome, Toru; Kato,

See Katayama, Masahiko —; Katayama, Masahiko; Kurome, Toru; Kato, Ikunoshin, 1063
Hirai, Keisuke See Matsumoto, Ken
Hirai, Sayuri See Katayama, Masahiko
Hiraishi, Sayuri See Tanaka, Akira
Hirano, Tetsuo; Yoneyama, Toshiaki;
Matsuzaki, Hiroko; Sekine, Takamitsu,

Hiraoka, Toshikage See Ashihara, Yoshihiro —; Makino, Yoshihiko; Shinoki, Hiroshi; Hora, Naohumi; Ogawa, Masashi; Ashihara, Yoshihiro; Tanimoto, Tetsuji; Ninomiya, Tadashi; Nishizono, Isao; Kasahara, Asushi, 1036

1036
Hirata, Yukimasa See Hyodo, Hiroshi
Hirose, Kazunori; Yamamoto, Hiroshi;
Yamada, Sigeki, 980
Hirschberger, Johannes See Kridde, Gabriele
Hiti, J. See Altura, B. T.
Hjemdahl, Paul See Lafolie, P.
Ho, C.S.; Fung, S. L. M.; Chan, A. Y. W., 477
Ho, Low Tone See Chang, Zer-Yuang
Hoag, K. J. See Raasch, R. J.

Hoak, D. R.; Kaldor, G., 951 Hoare, Ismael A.; Alexander, Roy L., Jr., 1054 Hobbs, J. R. See Sheldon, Joanna Hochberg, Alam See Hansen, Joel B.; See

Hochberg, Alan See Hansen, Joel B.; See Thompson, John C. Hodgell, M. See Padilla, A. Hodgen G. D. See Sinosich, M. J. Hodges, E. D.; Kazmierczak, S. C., 918 Hodges, Edna D. See Castellani, William J.; See Hoffmann, Georg; See Kazmierczak, Steven

Hoff, L. Bud See Kronick, Mel N. Hoff, Rodney See Zytkovicz, T. H. Hoffman, J. F. See Callahan, J. B. Hoffmann, Georg; Kazmierczak, Steven C.; Van Lente, Frederick; Hodges, Edna D.,

1799

Hoffmann, Georg E. See Hallbach, Jürgen Holbrook, I. B. See Reed, P. Holden, Kathryn D. See Kayser, Janet S. —; Hall, Colin; Chapman, John F.; Silverman, Lawrence M., 918
Hollaar, L. See Zhao, S. P. Hollaar, Leny See Zhao, Shuiping
Hollander, Lori; Worthy, Thomas E., 944
Hollander, Priscilla See Cembrowski, George
Hollar, Robert See Khalil, Omar S.
Holm, Jan See Ellekilde, Gertrude
Holmes, E. W. See Russell, P. M.
Holmes, Earle See Dass, Proveen
Holmes, G. K. T. See Hill, P. G.
Holmlund, E. See Ryttman, A.
Holt, David W. See Millane, Teri
Holt, John A. See Erdmann, Mary Dennis Holt, John A. See Erdmann, Mary Dennis Holt, R. See Reichstein, E.

Holt, R. See Reichstein, E. Homma, Mitsuo See Tanaka, Hirotoshi Honda, H. See Yamaji, T. Hower, Rick L. See Solano, Nancy V. Hopson, D. K.; Walton, K. G.; Koenig, J. W.; Hinds, B. J.; Scott, M. G., 1000 Hora, Naohumi See Ashihara, Yoshihiro Hora, Naohumi See Hiraoka, Toshikage

Horgan, S. See Coty, W. Horiuchi, Kentaro; Adachi, Kyoko; Fujise, Yutaka; Naruse, Hiroo; Sumimoto, Kazuhiro; Kanayama, Naohiro; Terao, Toshihiko, 1173

Tosninko, 1173
Hornick, Conrad A. See Hossain, Altaf
Horowitz, Gary L. See McCormack, Gina; See
Traverse, William E.
Hortin, Glen L.; Landt, Michael; Bodor, Geza
1.; Pashos, Gail; Smith, Carl H., 991
—; Landt, Michael; Wilhite, Tim; Smith, Carl H.,

2009

Hosimer, Philip C. See Scalice, Edward R.
Hossain, Altaf; Hornick, Conrad A., 925
Hosseini, Jeanette M. See Elin, Ronald J.; See
Elin, Ronald J., 985
Hoth, Daniel F., 895
Hou, Greg See Fu, Paul C.
Houck, Catherine M.; Pear, Julie R.; Sheehy,
Raymond; Kramer, Matthew; Hiatt, William
R. 617

R., 617 Hough, Brenda See Ward, Kory M

R., 617
Hough, Brenda See Ward, Kory M.
Houk, Russel R. See Zepeda, Hector
Houlston, Richard S. See Wenham, Philip R.
Howanitz, Peter See Dodd, Leslie
Howanitz, Peter J.; Cembrowski, George S.;
Bachner, Paul, 957; See Dodd, Leslie G.
Howe, Timothy; Linton, Jay; Vitug, Melinda;
Densel, M., 1046
Howrie, Denise L. See Ray, John E.
Hoyer, Peter See Schumann, Gerhard
Hoylaeris, Marc F. See Van Hoof, Viviane O.
Hoyle, N. R.; Ebert, Ch., 1020
Hruska, Bob; Connerty, Peggy; Johnson, Don;
Fishpaugh, Jeff; Adamczyk, Maciek, 999
Hruska, T. See Galliher, George
Hsieh, You-Zung See Chen, Fu-Tai A.
Hsu, M. See Cheung, Man-Kam
Hsu, S. See Groskopf, W.
Htain-Win See Myo-Khin
Hu, Hsiang-Yun See Hasz, Barbara
Hu, Yajun See Yang, Shude
Hua, Liu See Wen-Fang, Huang
Huang, C. M.; Kraft, H. G.; Gregg, R. E., 576
Huang, Jorlene See Chang, Zer-Yuang
Huang, Shi See Lee, Wen-Hwa
Hubbuch, Arnulf; Herz, Reinhard; Stockmann,
Wolfgang, 952
Lang, Friedel S.; Stockmann, Wolfgang, 962

Wolfgang, 952

—; Lang, Friedel S.; Stockmann, Wolfgang, 962

Huchet, Francois Xavier See Jarausch,

Huckaby, Clark S. See Lane, Michael J. Hudson, L. K See Sanders, C. M. Hudson, L. K. See Siefring, G. E., Jr.

Hudson, Ted See Comeau, Leslie; See Leo-

Hudson, Ted See Comeau, Leslie; See Leo-Mensah, Anthony; See Schubert, Laura Huet, G.; Dieu, M. C.; Martin, A.; Grard, G.; Bard, J. M.; Fossati, P.; Degand, P., 296 Huff, D. See Coleman, C. Huff, Denise See Khalil, Omar S. Hufnagle, Gary; Bernard, M.; Kessner, A.; Murata, G.; Navazi, W.; Zozaya, M., 969 Hughes, A. See Hughes, R. Hughes, John I. See Shahangian, Shahram; See Shahangian, Shahram Ughes, Julian; Montague, D.; Martin, J. K.; Dicker, P.; Sheppard, H.; Lingham, I., 1047 Hughes, R.; Hughes, A.; Levine, B.; Smith, M. L., 2141 Huthaniemi, Ilpo See Pettersson, Kim

Huhtaniemi, Ilpo See Pettersson, Kim Hui, R. See Arabshahi, L. Hui, R. See Arabshahi, L.
Hui, Raymond A. H. F. See Sulewski, M.
Huisman, T. H. J. See Rosenthal, Murray A.
Hultberg, B. See Agardh, C.-D.
Hume, Robert See Coughtrie, Michael W. H.
Humphrey, J. E. See Corcoran, K. A.
Humphrey, J. E. See Corcoran, K. A.
Humphrey, J. E. See Corcoran, K. A. Humphrey, J. E. See Corcoran, K. A.
Humphreys, Sandy M. See Frayn, Keith N.
Humphries, Steve See Gudnason, Vilmundur
Hunt, Paula See Toffaletti, John
Hunter, Caryl A. See Kelly, Tim A.
Hunter, Thomas J. See Vacca, Christina V.
Huntress, MaryAnne See Comeau, Leslie
Hursting, M. J. See Steiner, J. P.
Hursting, M. J. See Steiner, J. P.
Hursting, Marcie J. See Byrd, Patricia A.; See
Clark, Gregory D.
Hurt, C. See Wu, Yih Shiong
Hurt, Richard See Baskin, Leland
Hurtubise, P. E. See Stretcher, B. N.
Hurwitz, Steven See Kronick, Mel N.
Huskins, K. R. See Kramer, S.
Huskins, Kenneth R. See Wang, Chi-Chin
Hussain, Azmat See Parsons, Patrick J.
Hussain, Azmat See Parsons, Patrick J.
Hussain, Shaik; Dasgupta, A., 932
—; McLawhon, R. W.; Dasgupta, A., Shaw, S. T.,
Jr., 975

Jr., 975
Huster, Michael See Bautista, Joel
Huston, James S., 1097
Hutchins, S. See Cheng, M.

Hutter, J. A.; Simmons-Perry, Denise; Haskell, Betty E., 2013 Hutton, J.; Borden, K.; Alexander, D.; Weigand, R.; Gupta, M.; Arciaga, R.; Silver, H. K. B.; Archibald, B. L.; Bavis, R., 1056; See King, Carol

-; Borden, K.; King, C.; Shaw, N.; Bast, R. C.;

—; Borden, K.; King, C.; Shaw, N.; Bast, R. C.; Fritsche, H.; Malkin, A., 1057 Huy, C. Pham See Sadeg, N. Hyde, John E.; Ingersoll-Stroubel, AnnMarie; Theologides, Athanasios; Sharkey, Scott W.; Murakami, Mary Ann; Apple, Fred S., 1070 Hydod, Hiroshi; Sakamoto, Hisashi; Yamada, Shigeki; Kodama, Koji; Hirata, Yukimasa,

Shigeki; Kodama, Koji; Hirata, Yukimasa, 983

Iancu, Theodore C. See Gruener, Nachman Ibañez, Angeles See Manzanares, Cecilia Ibeh, G. O. See Ekek, G. I. Ichikawa, Masayuki See Shirakata, Takaharu Ichikawa, Yoichi See Tanaka, Hirotoshi Igaki, Ayumi See Kobayashi, Kunio Ihara, Hiroshi, Nakamura, Hiroomi; Aoki, Yutaka; Aoki, Tsugutoshi; Yoshida, Mitsutaka, 1269

Ida, Sakiko See Nishizono, Isao Iijima, Setu See Mashige, Fumiko Ikeda, Yasuo See Katayama, Masahiko Ikeda, Yusuo See Katayama, Masahiko Ikeda, Yusuo See Katayama, Masahiko Ikeda, Yusuo See Katayama, Kasa Kee Tsuji, A., 1928

Ille, J. See Plaviše, V. Imperio, Nemi See Berk, Lee Inada, Mitsuo See Ukita, Chizuko Inamdar, Kalpana V.; Raghavan, Keddy G.; Pradhan, Dinkar S., 864

Inbar, S. See Bahar, I.; See Bahar, I.; See Chen, J.; See Padilla, A.
Ingersoll-Stroubel, AnnMarie See Hyde, John E.

John E.

John E.
Inloes, Roger See Leos, Mike
—; Worthy, Thomas E., 942
Iocco, G.; Monroe, L.; Healy, S.; Moore, W.;
Dhekne, R., 1008
Iosefsohn, Mariet See Hicks, Jocelyn M.
Iovannisci, David M. See Winn-Deen, Emily S.
Irie, Minoru See Ueshiba, Hajime
Irino, T.; Matsushita, M.; Komoda, T.;
Sakagishi, Y., 917
Irino, Tsutomu; Matsushita, Makoto; Komoda,
Tsugikazu; Sakagishi, Yoshikatsu, 479
Irjala, Keritu See Nuutila, Pirjo

Irving, Tom See Christofides, Nicos Isaacs, Stephen T. See Cimino, George D. Isaksson, A. See Agardh, C.-D. Ishii, Hidemi See Tanaka, Akira Itagaki, Yasuko See Ohta, Mitsuhiro Itagaki, Yasuko See Ohta, Mitsuhiro Ithakissios, D. S. See Evangilatos, S. A. Ito, K. See Yamaji, T. Itoh, Hajime See Ogawa, Zensuke Itoh, Nobuyuki See Ohta, Mitsuhiro Izlar, Camille See Cefalu, William T. Jäger, W. See Schönau, E. Järgensen, P. J. See Gerhardt, W. Jablonski, E. G. See Dubensky, T. W. Jablonsky, George See Loung, Fred Y. Jackson, A. A. See Persaud, C. Jackson, James See Guinn, Carol Jacob, Ann See Travis, Karen Jacob, Laurent See Moldovan, Florina Jacob, Laurent See Moldovan, Florina Jacob, Lelly; Lamaire, Lynda; Bellini, M. Jacob, Pelly; Lamaire, Lynda; Bellini, M. Jacob, Nelly; Lamaire, Lynda; Bellini, M. Jackson, Jackson Jacob, Nelly; Lamaire, Lynda; Bellini, Marc, Jacob, Robert A.; Pianalto, Frederick S., 984 Jacobs, N. See Masters, Barbara
Jacobs, Samual See Mercer, Donald W.
Jacobson, Beryl E.; Lockitch, Gillian; Quigley, Gayle, 515

Jaeger, K. See Reason, Craig H.

Jakitsch, Anna See Burling, Lillian

Jakob, Gabl See Vorderwinkler, Karl-P.

Jakobi, Peter; Krivoy, Norberto; Schwartz,
Karer, Aryeh, Hanna Ben; Laufer, Dov, 135

Jamail, F. See Alessi-Severini, S.

Lorania, Arba, See Pack, Marrie P. Jamani, Azim See Pudek, Morris R. Jambor, Louis See Cano, Carlos Jambor, Louis G. See Predescu, Rodica Jamero, A. See Rogers, L. C.
James, Ian See O'Leary, Peter
Jandreski, Mark A., 1101
Janes, Christopher J. See Pierson-Perry, James F.
Janetschek, Robert See Guida, Diane
Janitschke, K. See Martens-Düring, B.
Janjan, N. A. See Otvos, J. D.
Jansen, M. J. H. See Giampietro, Ottavio
Jansen, Rob T. P. See Steigstra, Herman
Janssen, Ger W. T. See Ponjee, Gabriëlle A. E.
Jaqueti, Jerónimo; Martinez-Hernández,
David Hernández, Gercia Roenic Navarre Jaquett, Jeronimo; Martinez-Hernandez, David, Hernández-Garcia, Rosario; Navarro-Gallar, Fernando; Ribera, Marisa; Arenas-Barbero, Joaquín, 2021 Jarausch, Jochen; Gnat, Daniele; Drexel, Heinz; Huchet, Francois Xavier; Patsch, Josef; Wieland, Heinrich; Karl, Johannes; Lehmann, Paul; Casals, Elena, 921; See Lehmann, Paul Kratzer, Manfred; Piwernetz, Klaus; Rank, Renats; von Welser, Georg; Vogt, Bernd W.; Treiber, Wolfgang; Lehmann, Paul; Reh,

Treiber, Wolfgang, Lehmann, Paul; Reh, Eckhard, 979
Jardim, Laura B. See Neto, Eurico Camargo
Jariwala, Arun See Rosecrans, Robert
Jarzabek, Jean I.; Kampa, Ingo S., 1006
Jasso, M. See Candel, Antimo G.
Jawad, M. J. See Phelps, C.
Jaworek, Dieter See Klenner, Dagmar
Joseblane, Nicoletta Seo Nahmedi, Frieddo Jeanblanc, Nicolette See Nehmadi, Friedah Jeandel, Claude See Guemouri, Laîla Jeandel, Claude See Guemouri, Laîla Jeanson, S. See Bowden, J. Jemik, B. See Pennington, C. Jenkins, D. See Coty, W. Jenkins, T. See Gaillard, Christine Jenney, Richard W., 154 Jennings, S. See Malhotra, S. Jennison, T. See Wozniak, Elizabeth Jensen, F. See Ferre, F. Jensen, Karin See Kofoed-Enevoldsen, Allan Jensen, M. See Bonnar, Peter; See DuHamel, Barbara; See Henstreet, Jane; See Jordan, Sandra; See Lessard, Cynthia Jensen, Thomas Carl See San George, Richard C.

Jensen, Todd; Johanson, Nancy; Brudzinski, Alice; Maas, Lori; Ferber, Irene; Yasmineh, Joan; Lee, Sung, 1019 Jeppsson, Jan-Olof; Arnetorp, Anna; Einarsson, Roland, 1063

—; Sveger, Tomas; Einarsson, Roland, 1064 Jeyarajah, E. J. See Otvos, J. D.; See Otvos, J.

D.
Jeyarajah, Elias See Otvos, James
Jie, Yu See Steiner, G.
Jimenez, H. R. See Gossett, K. A.
Jo, Judith See Molina, Rafael
Joe, Shelley See Oh, Chan
Johannsen, Jody See Wright, Reba
Johanson, Nancy See Jensen, Todd
John, Rhys; Othman, Sakinah; Parkes, Arthur
B.; Lazarus, John H.; Hall, Reginald, 1397

Johnson, Don See Harrington, Charles A.; See Hartter, Daryl E.; See Hruska, Bob Johnson, Donna MacKeen See Puopolo, Patricia R.

Johnson, F. See Coty, W.

Johnson, George F. See Thede-Reynolds,
Katherine R. Johnson, J. See Branson, J.; See Pennington,

C.
Johnson, K. G. See Onigbinde, Taofiq A.
Johnson, Kent G.; Onigbinde, T. A.; Wong, S.
S.; Wu, A. H. B., 1000
Johnson, L. A. See Ford, H. C.
Johnson, R. W. See Vo-Dinh, T.
Johnson, Robert; Bazil, Gilbert, 1008
Johnson, Robert M. See Bazil, Gilbert
Johnson, Roger See Baker, John
Johnson, Roger N. See Bunkall, David J.; See
Lewis Barry D.

Johnson, Roger N. See Bunkall, David J.; See Lewis, Barry D. Johnson, Steven R.; Costa, Deborah L.; Mertz, Sherry L., 971 Jokela, Hannu See Harmoinen, Aimo

Jones, A. F. See Green, E. K.
Jones, A. W.; Nilsson, L.; Gladh, S. Å; Karlsson,
K.; Beck-Friis, J., 1453
Jones, E. A. See Hargis, G. K.
Jones, G. See Butman, B. T.; See Schmetter, B.;
See Taddei-Peters, W. C.
Jones, G. Taham R. See Finkle, Bryan S.
Lores, W. See Acknowled

Jones, K. See Ashwood, E. Jones, K. J. See Ashwood, E. R.

Jones, K. J. See Ashwood, E. R.
Jones, Lynn A.; Casal, David C.; Rosenberg,
Sheri L.; Senyei, Andrew; Gornet, Terri;
Wu, Alan H. B., 1041
Jones, Meredith See Breyer, Emelita
Jones, Prentiss, Jr. See Solano, Nancy V.
Jones, R. G.; Dyson, E. H.; Cook, J. A.; Forbes,
M. A.; Cooper, E. H., 1067
—; Whicher, J. T., 954
—; Aguzzi, F.; Bienvenu, J.; Bianchi, P.;
Gasparro, C.; Bergami, M. R.; Perinet, A.;
Bernon, H.; Penn, G. M.; Keller, I.; Whicher,
J. T., 1917

J. T., 1917

-; Aguzzi, F.; Bienvenu, J.; Gasparro, C.;
Bergami, M. R.; Bianchi, P.; Perinet, A.;
Penn, G.; Keller, I.; Whicher, J. T., 1922

Jones, T. See Della Puca, R.

Jordans, J. J. M. See Geven, W. B.

Jordan, Sandra; Jensen, M.; Majewski, G.,

103I
Jordan, V. Craig, 906
Jorkasky, D. See Ramey, Karen
Joseph, Ernest See Shoemaker, B.
Joseph, G. See Witherspoon, L. R.
Josephson, Michelle See Dasgupta, Amitaya
Jou, Y. See Pennington, C.
Jou, Yi-Her See Abano, Darla A.
Joustra, M. See Nystrand, M.
Juan-Pereira, L.; Navarro, M. A.; Roca, M.;
Fientes-Arderiu, X. 772

Fuentes-Arderiu, X., 772
Judilla, Anna M. See Kundu, Samar K.
Junewick, E. See Rogers, L. C.
Jungner, Ingmar See Walldius, Göran
Junor, Brian J. R. See Dominiczak, Marek H.
Jurges, E. See Sheldon, Joanna

Jurinski, Neil B. See Chou, Peter P. Küllinger, B. See Steiner, G. Kabeno, Shouko See Matsumoto, Ken Kafonek, Stephanie D. See Kwiterovich, Peter

Autones, Stephanne D. See Kwiterovien, re O., Jr.
Kagimoto, Seiichi See Yoshioka, Shigetake Kahan, Barry D. See Grevel, Joachim; See Napoli, Kimberly L.
Kahana, Luna; Yechieli, Haya, 1432 Kahn, Sidney N., 1557 Kahn, Stephen E. See Vanderslice, W. Eric Kaihola, Hanna-Leena See Nuutila, Pirjo Kakabakos, S. E. See Evangelatos, S. A.
—; Khosravi, M. J., 1018
Kaldor, G. See Hoak, D. R.
Kales, Arthur N. See Koczyk, Katherine Kalra, J. See Massey, K. L.
—; Kumar, P.; Prasad, M.; Massey, K. L.; Prasad, K., 1066; See Shuaib, A.
Kamada, Satoru See Yoshikawa, Kazuhide Kamel, M. See Hamdy, Barjah

Kamel, M. See Hamdy, Bariah Kamel, M. See Hamdy, Bariah Kameyama, Kazuko See Yoshioka, Shigetake Kamihagi, Kyoko See Katayama, Masahiko; See Katayama, Masahiko Kamin, Ralph A. See Blackburn, Gary F. Kamoun, P.; Rabier, D.; Bardet, J.; Parvy, P.,

Kampa, Ingo S., 1001; See Jarzabek, Jean I. Kan, Brenda; Wong, Richard, 963 Kana, A. See Bahar, I. Kanaan, Imaduddin See El-Yazigi, Adnan Kanai, Masamitsu See Tozuka, Minoru

Kanayama, Naohiro See Horiuchi, Kentaro Kandoussi, A. See Saïle, R. Kane, M. See Hasselberg, S. Kane, M. See Hasselberg, S.
Kaneda, T. See Niimi, A.
Kang, Hae Kyung See Choi, Myung Ja
Kanno, Takashi See Azuma, Yutaro
Kantor, Raphe R. S.; Eschenfelder, Peter;
Pincus, Matthew R., 1052
Kao, Pai C. See Hage, David S.
Kapke, Gordon F. See Lazarus, Ellen F.
Kaplan, Michael M. See Hay, Ian D. Kapinan, Michael M. See Hay, Ian D. Kapmeyer, W. H. See Dati, Francesco; See Lammers, Manfred; See Lammers, Manfred Kapur, Bhushan M.; Banka, Tibor, 1013 Karaca, Levent See Erbil, M. Kemal; See Erbil, M. Kemal; See Erbil, M. Kemal; See Erbil, M. Kermal

M. Kermal

M. Kermal

Karayilanogiu, T. See Erbil, M. Kemal

Karl, Johannes See Jarausch, Jochen

Karlsson, Parra, Alex See Larsson, Anders

Karlsson, K. See Jones, A. W.

Karlsson, L. See Lafolie, P.

Karmen, A. See Murthy, V. V.

Karmen, Arthur See Murthy, Vadiraja V.

Karsen, C. See Cernosek, Rose Mary

Kasahara, Arthur See Hiraoka, Toshikage

Kasahara, Yasushi See Hiraoka, Toshikage

Kasahara, Yasushi See Ashihara, Yoshihiro

Kasiske, Bertram L. See Awni, Walid M.

Kaspar, P. See Coty, W., See Coty, W.

Kassal, M. M., 1043

Katayama, Masahiko See Hino, Fumitsugu

Katayama, Masahiko See Hino, Fumitsugu
—; Hino, Fumitsugu; Kamihagi, Kyoko;
Sekiguchi, Kiyotoshi; Titani, Koiti; Kato, Ikunoshin, 466 -; Hirai, Sayuri; Kamihagi, Kyoko; Hino,

--; Hirai, Sayuri; Kamihagi, Kyoko; Hino, Fumitsugu; Kato, Ikunoshin; Handa, Makoto; Ikeda, Yasuo; Kawai, Yoko; Watanabe, Kiyoaki, 949 Katayama, Y. See Yoneda, Koji Kater, Claudio E. See Biglieri, Edward G. Kato, Hideo See Matsumoto, Ken Kato, Ikunoshin See Hino, Fumitsugu; See Katayama, Masahiko; See Katayama, Masahiko

Kato, Kanetusa See Usui, Akihiko Katoh, Hirohisa; Chino, Shinich; Sugi, Masahito; Fujimoto, Masao; Nagai, Ryozo;

Kato, Kanetusa See Usui, Akihiko
Katoh, Hirohisa; Chino, Shinich; Sugi,
Masahito; Fujimoto, Masao; Nagai, Ryozo;
Yazaki, Yoshio, 1030
Katopodis, Nonda See Shahangian, Shahram
Katsumata, Y. See Moore, C. M.
Katsuyama, Tsutomu See Tozuka, Minoru
Katus, H. See Gerhardt, W.
Katz, Paula; Bellet, Neal; Leos, Mike; Chan,
Darren; Morgan, Rich; Lingenfelter, David;
Khanna, Pyare, 936; See Leos, Mike
Kauffman, L. See Coty, W.
Kaufman, L. See Coty, W.
Kaufman, J. See Davis, Benjamas
Kaufman, J. See Bake-Courtney, J.
Kaufman, R. See Blake-Courtney, J.
Kaufman, R. See See Lieberman, Joel
Kawada, Hidenobu See Nishizono, Isao
Kawa, Jonathan See Lieberman, Joel
Kawada, Hidenobu See Nishizono, Isao
Kawada, Hidenobu See Nishizono, Isao
Kawakami, Masaya See Togashi, Kazuyoshi
Kawachak, Deborah A. See Sowell, Anne L.
Kayser, Janet S.; Biesemier, Karl W.; Holden,
Kathryn D.; Silverman, Lawrence M., 1023
Kazama, Mutsuyoshi See Tanaka, Akira
Kazanzides, Doris See Christenson, Robert H.
Kazmierczak, S. C. See Hodges, E. D.
Kazmierczak, Steven C.; Van Lente,
Frederick; Hodges, Edna D., 356; See
Hoffmann, Georg
Re-Huai, Peng See Wen-Fang, Huang
Kearns, Betty See Oh, Chan
Keefee, Mary T. See Bland, Elaine
Keffer, Joseph H., 1100
Keller, Charles See Abano, Darla A.; See
Nehmadi, Friedah
Keller, Chuck See Sellers, Donald R.
Keller, Chuck See Sellers, Donald R.
Keller, Chuck See Sellers, Donald R.
Keller, Check See Sellers, Donald R.
Keller, Check See Sellers, Donald R.
Keller, Check See Sellers, Donald R.
Keller, P. See Lammers, Manfred
Keller, L. See Jones, R. G., See Jones, R. G.
Kelly, Wargaret; Smith, Muriel, 1008
Kelly, P. See Willims, L.
Kelly, Tim A.; Hunter, Caryl A.; Schindele,
Deborah C.; Pepich, Barry V., 1283
Kehner, Michael J., 1099
Kempinaire, A. See Laureys, M.
Kempter, B., Ritter, M. M., 473
Keniston, R. See Enriquez, John I., Jr.
Kenny, Margaret See Malik, Sohail; See Malik,
Sohail

Kent, Sue See Bergkuist, Carolyn

Kenten, John H. See Blackburn, Gary F.
—; Casadei, Jan; Link, John; Lupold, Shelley;
Willey, Jeff; Powell, Mike; Rees, Anthony;

Willey, Jeff; Powell, Mike; Rees, Anthony; Massey, Richard, 1626
Keren, David F. See Harrison, Harold H. Kerrigan, V. E. See Sanders, C. M. Kes, Petar See Lukinac, Ljerka Kessler, A. See Franken, Norbert Keesler, A. C. See Thijssen, J. H. H. Kessler, Gerald See Parvin, Curtis A. Kessner, A. See Hufmagle, Gary Kessner, Arthur See Miller, W. Greg Ketchum, Catherine H.; Scott, Johnny W.; Craft, L. Virginia, 988; See Robinson, C. Andrew; See Robinson, C. Andrew; See Robinson, C. Andrew, Jr.; See Stabler, Thomas V. 1004
Khaja, G. See Gasper, Paul D.; See Zirbes, Paula M.

Paula M.

Paula M.

Rhalil, O. See Coleman, C.; See Hamdy, Bariah
Khalil, Omar S.; Hanna, Charles F.; Huff,
Denise; Zurek, Thomas F.; Murphy, Brian;
Pepe, Curt; Genger, Kevin, 1612

; Zurek, Tom F.; Tryba, Jeff; Hanna, Charles
F.; Hollar, Robert; Pepe, Curt; Genger,
Kevin; Brentz, Charles; Murphy, Brian;
Abunimeh, Noman; Carver, Rich; Harder,
Pat; Coleman, Carole; Robertson, Eugene;
Wolf-Rogers, Julie, 1540

Khan, K.; Blaak, E.; Elia, M., 728

Khan, Shaista; Petersen, John; Goldberd, M.,
1019

1019
Khanna, P. See Coty, W.; See Coty, W.
Khanna, Pyare See Katz, Paula
Khayam-Bashi, H. See Chen, Katherine H.
Khayam-Bashi, H. See Chen, Katherine
Khayam-Bashi, J. See Kakabakos, S. E.; See

Morton, R. C.

—; Morton, R. C., 58; See Papanastasiou-Diamandi, Anastasia; See Shankaran, P.; See Soltes, S.

See Soltes, S.
Kiang, W. See Alcalde, X.
Kida, Masaaki See Kubotsu, Kazuhisa
Kienhuis, C. B. M.; Heuvel, J. J. T. M.; Ross,
H. A.; Swinkels, L. M. J. W.; Foekens, J. A.;
Benraad, Th. J., 1749
Kiistala, Urpo See Paavonen, Timo
Kildal-Brandt, P. A. See O'Grady, M. V.; See
Weber, T. A.

Weber, T. A. Kilinç, Cumhur See Erbil, M. Kemal Killian, Carl See Espinosa, Gio; See Perez,

Killian, Carl See Espinosa, Gio; See Perez, Maria
Killian, Carl See Espinosa, Gio; See Perez, Maria
Kilpatrick, Eric S.; Rumley, A.; Cunningham, S.; Small, M.; Dominiczak, M. H., 1070
Kilroe-Smith, T. See Gaillard, Christine
Kilroy, J.; Zhou, A.; Gaumond, B.; Provuncher, G.; Ling, E., 935
Kilroy, John See Gaumond, Bruce
Kimbrough, K. W. See Kozuch, S. A.
Kimura, Masako See Kobayashi, Kunio
Kinard, Sharon See Spadoro, Joanne
Kindermans, C. See Sachs, Ch.; See Sachs, Ch.
King, C. See Hutton, J.
King, Carol; Borden, K.; Harker, K.; Hutton, J.; Lauren, L.; Miceli, C.; Tanghal, E.;
Walsh, D.; Shaw, N.; Bast, R.; Fritsche, H.;
Malkin, A.; Pittaway, D., 1051
King, Mary E. See Neelkantan, Neel V.
Kinkel, T. See Skrzipczyk, Heinz Jürgen
Kinnaman, G. See Dasgupta, Amitaya
Kino, J. See Amano, S.
Kirasella, J. See Cohen, J.
Kinter, Michael See Herold, David A.; See
Herold, David A.; See Herold, David A.
Kippenberger, Donald J. See Podkowik,
Berndt-Ingo
Kirlaman, H. N. See Yu, Li
Kisilevaky, R. See Lyon, A. W.
Kisseel, T. See Daniel, D.
Kitahashi, Shigeru See Shimojo, Nobuo
Kitching, Richard See Diamandis, Eleitherios P.
Kiyama, H. See Emson, P. C.

Kıyama, H. See Emson, P. C.
Kiyose, Hiroshi See Yamamoto, Hiroshi
Kizer, P. See Balko, J.
Klassen, Mary; Lewandrowski, K.;
Dzieczkowski, J.; Leposata, M., 955
Klee, G. G. See Shellum, C. L.
Klee, George G. See Hay, Ian D.
Kleerekoper, Michael See Wilson, Paulette
Klein, G.; Lehmann, P.; Poppe, W. A., 963
Klein, Laura See Bodner, John B.
Klein, Russ See Bankson, Daniel
Klenner, Dagmar; Uhl, Wolfgang; Bienhaus,
Gerhard; Jaworek, Dieter, 1020
Kline, Erica See Sellers, Donald R.
Klinga, K. See Thijssen, J. H. H.

Klingshim, F. See Mathis, S.
Knapp, Martyn L.; Al-Sheibani, Said; Riches, Pamela G., 2193
Knez, R. See Regan, J.
Knight, George J.; Cole, Lawrence A., 779
Knight, William See Abdul-Ahad, Wajdi G.; See Eguchi, Lois; See Palmer, Dennis A.
Koay, E. S. C. See Aw, T. C.
Kohayashi, Kunjis; Laki, Aujum: Sakoguchi

Kobayashi, Kunio; Igaki, Ayumi; Sakoguchi, Takafumi; Kimura, Masako; Taniuchi, Koji; Matsuoka, Akira, 1061

Matsuoka, Akira, 1061
Kobayashi, Sentaro See Kunishima, Shinji
Koch, D. See Lanphear, B.
Koch, David D. See Haessig, Lorene K.
Koch, Thomas R. See Gregory, Linda C.; See

Platoff, Gennady E. Kocka, Franck See Lambotte, Paul Koczyk, Katherine; Beveridge, Roy A.; Kales, Arthur N.; Binder, Richard A.; Miller, John

Arthur N.; Binder, Richard A.; Miller, John A., 1054
Koczyk, Kathy; Beveridge, Roy; Bruzek, Debra; Chan, Daniel W., 1057
Kodama, Koji See Hyodo, Hiroshi Koehler, C. See Pennington, C.
Koenig, J. W. See Fuller, K. A.; See Haller, B. L.; See Hopson, D. K.
Koenig, John W. See Fuller, Kathleen A.
Koerner, K. See Dati, F.; See Sauder, K.
Koettgen, E. See Thijssen, J. H. H.
Kofoed-Enevoldsen, Allan; Jensen, Karin; Beck, Thomas C., 1136
Kohn, Diane See Travis, Karen
Kohne, C. See Wu, Yih Shiong
Kohno, H. See Nakate, H.
Kohse, Klaus P.; Wisser, Hermann, 952

Kohse, Klaus P.; Wisser, Hermann, 952 Koiv, Heikki See Wang, Chi-Chin; See Wang,

Chi-Chin
Kokott, Renate See Heinrich, Jürgen
Kolanda, Susan See Anderson, Phil
Kolar, Werner See Walldius, Göran
Komoda, T. See Irino, T.
Komoda, Tsuglikazu See Irino, Tsutomu; See Nagata, Atsuo

Kondo, Hitoshi See Uji, Yoshinori Konen, J. C. See Shihabi, Z. K. Konno, M. See Nakate, H. Koo, Winston W. K.; Succop, Paul; Hambidge,

Kopten, Elana; Highsmith, W. E.; Friedman, Ken; Perry, Tenly; Lamb, Allen; Silverman, L. M., 1058

Kornberg, Arthur, 891

—; , 1895 Korneluk, Robert G. See Surh, Linda C. Koski, K. See Yamagata, Susan K. Kost, G. J. See Omand, Kathy Kotani, Tomio See Matsumoto, Ken Kotasek, Dusan See Cain, Heather J. Koulischer, L. See Schoos, R. Koumantakis, George; Wyndham, Lindsay,

1799
Kovarik, J. See Steiner, G.
Kowatsch, William See Goldsmith, Barbara M.
Kozuch, S. See Daniel, D.
Kozuch, S. A.; Arter, T. C.; Brookes, R. F.;
Harris, B. A.; Kimbrough, K. W.; Natale, K.;
Nealon, D.; Saini, M., 975
Kozwich, Diane; Davis, Gene; Sockol, Craig,

1040
Kraft, B. Volker See P'erson-Perry, James F. Kraft, H. G. See Huang, C. M. Kraght, P.; Metzler, M.; Stafford, R., 932
Krahn, J. See LeGatt, Donald F. Krahn, J. See LeGatt, Donald F. Krakoff, Lawrence R.; Garbowit, David, 1849
Kramer, Matthew See Houck, Catherine M. Kramer, S.; Watson, L. L.; Lodato, D. T.; Windsor-Long, K.; Gilmore, J. M., 913
—; Huskins, K. R.; Tasker, A. M.; Windsor-Long, K.; Gilmore, J. M., 1007
Krater, J. See Alcalde, X.
Kratzer, Manfred See Jarausch, Jochen
Kreis, H. See Morelet, L.
Kreisner, Edmundo See Neto, Eurico Camargo

Kreisner, Edmundo See Neto, Eurico Camargo Krevolin, M. See Coty, W. Skrha, Jan; Svačina, Stěpán, 2020 Kricka, L. J.; Gregoire, T.; Dumont, L.; Wilding, P., 1520 Kricka, Larry J. See Bronstein, Irena

—; , 1472
Kridde, Gabriele; Hirschberger, Johannes;
Zerback, Rainer, 1065
Krivoy, Norberto See Jakobi, Peter
Krodel, E. See Mathis, S.
Krodel, Elizabeth See Travis, Karen
Kroll, Martin H. See Brown, Laurie L.
—; Chesler, Ruth, 928
Krom, Ruud See Moyer, Thomas P.

Kronick, Mel N.; Corcoran, Kevin; Hoff, L. Bud; Hurwitz, Steven; Mayrand, Eric; Pallas, Michael; Recknor, Michael; Robertson, James; Ziegle, Janet, 602 Kropf, J.; Quitte, E.; Gressner, A. M., 1020; See Schahbazfar, A.

Kropf, J.; Quitte, E.; Gressner, A. M., 1020; See Schahbazfar, A.
Kropf, Jürgen; Gressner, Axel M.; Tittor, Wolfgang, 30
Krouwer, Jan S., 26
Krueger-Nielsen, Sandra See Melchior, Ann Kruitwagen, Roy F. P. M.; van den Berg, Rob J.; Segers, Martin F. G.; Poels, Lambert G.; Willemsen, Wim N. P.; Rolland, Rune; Thomas, Chris M. G., 760
Krupski, M. See Velletri, K.
Kruss-Jarres, Jürgen D. See Lehmann, Paul Kruth, H. S. See Chao, F.-F.
Kubo, Masami See Azuma, Yutaro
Kubotsu, Kazuhisz, Goto, Sachiko; Fujita, Minoru; Tuchiya, Hideki; Kida, Masaaki; Takano, Susumu; Matsuura, Shuji; Sakurabayashi, Ikunosuke, 1015
Kuchbal, Naresh K. See Pundir, Chandra S. Kueppers, Friedrich See Wortsman, Jacobo Kuhn, Donna; Dubler, Robert; Grote, Jonathan; Backes, Dorothy; Duffy, Kelly, 1011

1011

Kukreja, S. C. See Hargis, G. K.
Kulig, K. See Singh, Jagat
Kuma, Kanji See Matsumoto, Ken
Kumar, P. See Kalra, J.
Kundu, Samar K.; Judilla, Anna M., 1565
Kung, Chia-Chi, 1015
Kung, K. See Dragon, B.
Kunishima, Shinji; Hayashi, Kiyotaka;
Kobayashi, Sentaro; Naoe, Tomoki; Ohno,
Rvizo, 169

Kobayashi, Sentaro; Naoe, Tomoki; Ohno, Ryuzo, 169
Kunze, Kerstin See Schumann, Gerhard Kurome, Toru See Hino, Fumitsugu Kusic, Zvonko See Lukinac, Ljerka Kutluay, T. See Erbil, M. Kemal Kutluay, Türker See Erbil, M. Kemal Kuwana, T. See Rosakli, S. B. Kwiterovich, Peter O., Jr.; Motevalli, Mahnaz; Miller, Michael; Bachorik, Paul S.; Kafonek, Stephamie D.; Chatterjee, Subroto; Beaty, Terri; Virgil, Donna, 317
Kyger, S. See Bowden, J. Kyne, Frank; Maguire, Sean; O'Broin, Sean; McGing, Peadar; McCann, Shaun; Wright, Edwin, 1657
Léger, Jean See Larue, Catherine
Léger, Jocelyne See Larue, Catherine
López-Castro, Gabriel, 1804
López-Cutin, Carlos See Balbin, Milagros
Löfdahl, P. See Gerhardt, W. Lövgren, Timo See Lilja, Hans
LaBarbera, A. See Sperling, M. Ryuzo, 169

LaBarbera, A. See Sperling, M. Labbe, Robert F., 905; See Carlson, Timothy

Lacap, Evelyn See Dooley, Patrick Lacher, David A., 946 Lacour, B. See Daudon, M.; See Morelet, L.

Lacour, B. See Daudon, M.; See Morelet, L.
Ladenson, Jack H. See Daoud, Emad; See
Silva, David P., Jr.
Laessig, R. See Lamphear, B.
Laessig, R. H. See Ehrmeyer, S. S.
—; Ehrmeyer, S. S.; Leinweber, J. E., 954
Laessig, Ronald H., 898
Laffler, Thomas G. See Carrino, John J.
Lafolie, P.; Beck, O.; Blennow, G.; Boréus, L.;
Borg, S.; Elwin, C. E.; Karlsson, L.; Odelius,
G.; Hjemdahl, Paul, 1927
Lagocki, P. See Pennington, C.
Lagocki, Peter See Abano, Darla A.
Lagrou, K.; Declercq, P. E., 2157
Lai, Michael M. C.; Wu, Huey-Nan, 603
Lake, Adena See Velazquez, Francisco R.
Lamaire, Lynda See Jacob, Nelly
Lamb, Allen See Kopten, Elana
Lamb, E.; Mainwaring-Burton, R.; Dawnay, A.,
2138

Lamberts, Ludwig V. See D'Haese, Patrick C.;

See Liang, Lian
Lambotte, C. See Schoos, R.
Lambotte, Paul; Kocka, Franck; Park, Choong;
Saewert, Dorothy; Smith, Katie;
Richardson, Julie, 1041
Lammers, M. See Dati, Franceso

Lammers, M. See Dati, Francesco
Lammers, Manfred; Dati, F.; Kapmeyer, W.
H.; Conard, J.; Guillin, M. C.; Keller, F., 950
—; Dati, F.; Kapmeyer, W. H.; Chapelle, J. P.;
Delanghe, J.; Neumeier, D.; Puschendorf,
B.; Roxin, L.-E.; Zoppi, F., 1062
Lamothe, E. M.-F. See Nassar, B. A.
Lancini, Gianpaolo See Panteghini, Mauro
Landesman, Mae M. See Bovill, Edwin G.

Landicho, Del See Malik, Sohail Landt, Michael See Hortin, Glen L.; See Hortin, Glen L.

Hortin, Glen L.

Landt, Yvonne See Silva, David P., Jr.

Lane, Michael J.; Smardon, Anne M.; Hanlon,

Douglas J.; Hahn, Peter J.; Carroll, William

T.; Waterbury, P. Greg; Faldasz, Brian D.;

Huckaby, Clark S.; Mante, Seth, 612

Lane, W. See Bhargava, A.

Lang, Friedel S. See Hubbuch, Arnulf

Langbaum, Michael; Farber, Sergio;

Rosenthal, Philip, 987

Lange, Peter See Reiber, Hansotto

Lange, Peter See Reiber, Hansotto

Langer, Jeffrey G.; Gan. B. K.; Liu, Ray H.;

Langner, Jeffrey G.; Gan, B. K.; Liu, Ray H.; Baugh, Diane L.; Chand, Pooran; Weng, J.-L.; Edwards, Cinnamon; Walia, Amrik S., 1595

1595
Lanning, Marjatta See Vainionpää, Leena
Lannhear, B.; Hill, B.; Laessig, R.; Hassemer,
D.; Koch, D.; Ehrmeyer, S., 976
Lapinski, Charles T., 962
Laposata, M. See Klassen, Mary
Lapsley, M. See Norden, A. G. W.
Laragh, John H. See Mueller, Franco B.
—; Sealey, Jean E., 1820
Larcecke, Dominique See Lemonnier Laroche, Dominique See Lemonnier,

Françoise
Laroche, P. See Cuilliere, M. L.
Larsen, Fred See McCusker, Larry; See
Peterson, Jim
Larsen, P. Reed See Hay, Ian D.
Larseon, Anders; Karlsson-Parra, Alex;

Larsson, Anders; Rarisson-Farra, Alex; Sjöquist, John, 411 Larue, Catherine; Calzolari, Charles; Léger, Jocelyne; Léger, Jean; Pau, Bernard, 78 Lasky, F. D.; Day, B., 973 —; Powers, D. M.; Hassemer, D. J.; Wiebe, D. A.,

—; Powers, D. M.; Hassemer, D. J.; Wiebe, D. 957; See Zaydman, L. Lasley, B. L. See Munro, C. J. Latin, V. See Plavšić, V. Lauderdale, V. See Dubensky, T. W. Lauderdale, Vivian See Smith, Katie Laufer, Dov See Jakobi, Peter Lauren, L. See King, Carol Laureys, M.; Kempinaire, A.; Goedhuys, W.; Van Noten, P.; Cooreman, W.; Gorus, F., 933

933

Laureys, Muriël; Sion, Jean-Paul; Slabbynck, Hans; Steenssens, Laurette; Cobbaert, Crista; Derde, Marie-Paule; Gorus, Frans

Hans; Steenssens, Laurette; Cobbaert,
Crista; Derde, Marie-Paule; Gorus, Frans
K., 430

Law, W. T. See Crowther, F. H.
Lawson, Alexander See Thienpont, Linda
Lawson, G. See Charlson, J.
Lawson, George See Baskin, Leland
Laxdal, V. A. See Massey, K. L.
Lazar, Vladimir See Bidart, Jean-Michel
Lazarus, Ellen F.; Kapke, Gordon F., 1464
Lazarus, Ellen F.; Kapke, Gordon F., 1464
Lazarus, John H. See John, Rhys
Le Biros, Mike See McClelland, Michael
Leal, Teresinha; Parez, Jean-Jacques;
Vanbinst, Roger; Wallemacq, Pierre E., 1415
LeBarron, J. See Leek, A.
Lechevrel, C. See Goussard, J.
Lechleitner, Peter See Mair, Johannes
Leclercq, Nathalie See Nève, Jean
Ledford, Lindsay See Werneke, Debra
Ledue, Thomas B. See Marcovina, Santica M.
Lee, Angelina See Ellis, Graham
Lee, Carol R. See Bland, Elaine
Lee, Eva See Lee, Wen-Hwa
Lee, I. R. See Deleo, D. T.
Lee, J. See Cheng, M.; See Tsay, Y. G.
Lee, Jong Soon See Choi, Myung Ja
Lee, M. See Ramey, Karen
Lee, Sung See Jensen, Todd
Lee, Wen-Hwa; Chen, Phang-Lang; Bookstein,
Robert; Wang, Nan-Ping; Huang, Shi; Lee,
Eva, 600
Leece, Barbara See Sigillo, Eric
Leeder, S. A. See Siefring, G. E., Jr.

Leece, Barbara See Sigillo, Eric Leeder, S. A. See Siefring, G. E., Jr. Leek, A.; Bannon, P.; Brissette, E.; LeBarron, J.; Stewart, R.; Whiteley, G.; Metzmann, E.,

Leerink, C. Bas; Winckers, Eduard K. A.; Geen, Robert J.; Day, Betty S.; Powers, Donald M., 766

766
Leerkes, B. See van Oers, R. J. M.; See van Oers, R. J. M.
LeGatt, D. F. See Alessi-Severini, S.
LeGatt, Donald F.; Audette, Robert J.;
Blakney, George; Vaughan, Diane;
Meatherall, R.; Krahn, J., 1802
Legendre, C. See Morelet, L.
Legere, S. See Trundle, Diana

Lehmann, P. See Klein, G. —; Ehrhardt, V.; Werle, Ch., 968 Lehmann, Paul See Jarausch, Jochen; See

Lehmann, Paul See Jarausch, Jochen; See Jarausch, Jochen —; Schiele, Francoise; Kruse-Jarres, Jürgen D.; Bonini, Pier Angelo; Ceriotti, Ferruccio; García-Beltrán, Lydia; Vogt, Bernd W.; Henny, Joseph; Jarausch, Jochen, 964 Leibl, H. See Steiner, G. Leinweber, J. E. See Ehrmeyer, S. S.; See

Laessig, R. H.
Leite, Julio Cesar See Neto, Eurico Camargo

Leite, Julio Cesar See Neto, Eurico Camai Lekousi, S. See Bahar, I. Leland, Jonathan See Blackburn, Gary F. Lemann, Jacob, Jr. See Cohen, Eric P. Lemonnier, A. See Conti, M. Lemonnier, Françoise; Masson, Joëlle; Laroch, Dominique; Travert, Josette; Travert, Georges, 2114 Lenda, Regina See Modh, Bhavna Lenda, Arajunette, 929

Lenzo, Antoinette, 982

Lenzo, Antoinette, 982
Leo-Mensah, Anthony; Piran, Uri; Blick,
Martha; Edgeworth, Deb; Hayes, Ellen;
Simonaitis, Reda; Hudson, Ted, 942
Leo-Mensah, Tony See Comeau, Leslie
Leohirun, Lakana; Thuvasethakul, Phichai;
Sumethkul, Vasant; Pholcharoen, Trithar;

Sumethkul, Vasant; Pholcharcen, Trithar; Boonpucknavig, Vijitr, 47 Leonard, Lorraine; Schroeder, Timothy; Pesce, Amadeo; Martin, Lynn; Traylor, Dena; Muth, Karen, 930 Leonardi, A. See Whitehead, T. P. Leong, Diane U. See Greisen, Kay S. Leos, Mike See Katz, Paula —; Katz, Paula; Inloes, Roger; Worthy, Thomas E. 944

E 944

E., 944
Lepoutre, Lucien G. See Van Hoof, Viviane O.
Lequang, N. T. See Roche, D.
Leroux-Roels, Geert See Delanghe, Joris
Lesi, C. See d'Eril, GianVico Melzi
Lessard, Cynthia; Jensen, M.; Majewski, G.,

Leuven, J. A. Gevers See Zhao, S. P.
Leuven, Jan Gevers See Zhao, Shuiping
Levillain, P. See Conti, M.
Levine, B. See Hughes, R.
Levine, Barry; Budgett, William; Xu, Allan;
Smith, Michael, 1008

Smith, Michael, 1008
Levine, Daniel M.; Collin, Dennis, 961
—; Parker, T. S.; Sloan, B. J.; Albers, J. J.;
Marcovina, S. M.; Donner, J. E.; Lorenz, J.
D.; Heinzerling, R. H., 919
—; Collin, Dennis; Parker, Thomas, 923
Levine, Jacob B. See Miller, W. Greg
Levinson, Stanley S. See Cox, Tina Burch, Patricia A.; Goldman, Janice O.; Forgiel, Denise, 943

Forgiel, Denise, 943

-; 1122

Levison, Peter R.; Streater, Michael; Quayle, George T., 962

Levtzow, C. B. See Phillips, J. C.

Lewandrowski, K. Isee Klassen, Mary

Lewandrowski, K. See Klassen, Mary

Lewis, L. Barry D.; Johnson, Roger N., 2021

Lewis, Barry D.; Johnson, Roger N., 2021

Lewis, L. M. See Yaughn, R.

Lewis, Linda A. See Eckfeldt, John H.

Leyva, Paul; Cernosek, R. M.; Brandt, B., 964

Li, C. See Fricker, R.

Li, Zhengling; McNamara, Judith R.; Ordovas, Jose M.; Schaefer, Ernst J., 920

Liang. Zhong, Li See Wen-Fang, Huang

Liang, Lian; D'Haese, Patrick, C.; Lamberts, Ludwig V.; De Broe, Marc E., 461; See

D'Haese, Patrick C.

Liappis, Nicolas See Schlebusch, Harald

Libert, Raymond; Hermans, Dominique; Draye, Jean-Pierre; Van Hoof, François; Sokal, Etienne; de Hoffmann, Edmond, 2102

Lidinsky, W. A. See Corcoran, K. A.

Liebierman, Joel; Kava, Jonathan; Chang, Steve, 1021

Steve, 1021 Liebich, Hartmut M.; Wahl, Guenther;

Bubeck, Joerg, 945
Bubeck, Joerg, 945
Bibeck, Joerg, 945
Liedtke, Robert R. See Wilson, David M.
Lievens, Michel M. See Osselaer, Jean-Claude;
See van Dijck, Patricia
Liewendahl, B. Kristian See Wilcox, R. Bruce
Liewendahl, B. Kristian See Wilcox, R. Bruce
Liewendahl, B. Kristian See

Liffmann, Stanley; Schwartz, Donald; Roberts, Pamela; Cronbaugh, Robert; Feld, Ronald, 970

Liippo, Kari See Paavonen, Timo Lijoi, E. See Dipaola, Joseph Lijoi, Eleonor; Vecchio, Charles, 922

Lilja, Hans; Christensson, Anders; Dahlén,
Ulrika; Matikainen, Marja-Terttu; Nilsson,
Olle; Pettersson, Kim; Lövgren, Timo, 1618
Lin, C. I. See Tsay, Y. G.
Liu, Cheng-I See Tsay, Yuh-geng
Lin, F. C.; Pradhan, S.; Narayanan, S.; Perel, J.
M.; Sorisio, D.; Foglia, J. P., 994; See Perel,
J. M.; See Perel, J. M.
Lin, J. C. M. See Fu, Paul C.
Lin, M. J. See Liu, Tsan Z.
Lin, Wei See Countryman Cari

Lin, Wei See Countryman, Cari Lin, Wen-Nuei See Chu, Jau-Wen Lin, Wen-Nuei See Chu, Jau-Wen Lin, Y. Ni, Liu, Alice, 1022 Lin, Yuewen See Yang, Shude Linari, Franco See Petrarulo, Michele Lind, Marion See Byrd, Dennis J. Lindop, George B. M. See Dominiczak, Marek

H.
Lindsey, K. See Natoli, E.
Lindsey, K. See Bell, D.
Ling, E. See Kilroy, J.
-; Schubert, W.; Yannoni, C., 935
Ling, Eleanor See Gaumond, Bruce
Ling, N. See Sinosich, M. J.
Lingenfelter, C. See Coty, W.
Lingenfelter, David See Katz, Paula
Lingham, I. See Hughes, Julian
Link, John See Blackburn, Gary F.; See
Kenten. John H.

Link, John See Blackburn, Gary F.; See Kenten, John H. Linke, E. George; Schlenker, Thomas L.; Gradus, M. Stephen; Zembrowski, Elizabeth; Mark, David H., 989 Linnet, Kristian; Bruunshuus, Ivan, 1669 Linnoila, Markku See Elin, Ronald J. Linton, Jay See Howe, Timothy Lipke, D. L.; Haas, R. G.; Patrick, J.; Robeson,

Lipke, D. L.; Haas, K. G.; Patrick, J.; Robeson, B., 947
Lipsey, A. See Cheng, M.
Litman, David J., 1097
Little, R. R.; Wiedmeyer, H. M.; England, J. E.;
Goldstein, D. E., 956; See Wiedmeyer, H. M.
Little, Randie R.; Wiedmeyer, Hsiao-Mei;
England, Jack D.; Naito, Herbert K.;
Goldstein, David E., 1725
Littlefield, M. See Altman, R. E.
Liu, Alice See Lin, Y. N.
Liu, Cheng-Ming See Chen, Fu-Tai A.
Liu, Ray H. See Langner, Jeffrey G.
Liu, Tsan Z.; Lin, M. J., 1065
Liu, Xiang See Yang, Shude
Livanion, Evangelia See Evangelatos, Gregory P. B., 947

Livaniou, E. See Evangelatos, S. A. Livesey, John F. See Perkins, Sherry L. Lizer, D. See Ramsey, Maria Lizer, Della; Baca, L.; Harri, M.; Hill, M.;

Lives, John F. See Perkins, Sherry L.
Lizer, D. See Ramsey, Maria
Lizer, Della; Baca, L.; Harri, M.; Hill, M.;
Ramsey, M.; Peterson, T.; Sarosi, E.;
Theobald, P. E., 1005
Ljungdahl, L. See Gerhardt, W.
Lockitch, Gillian, 1104; See Jacobson, Beryl
E.; See Vallance, Hilary
Lodato, D. T. See Kramer, S.
Lodato, Denise T. See Pierson-Perry, James F.
Lohff, M. See Bottjen, P.
Lohff, M. See Bottjen, P.
Loko, Frédérie; Robic, Daniel; Bondiou,
Marie-Thérèse; Bourbouze, Richard, 583
Lombardi, Maria T. F. C. See Pereira,
Aparecido B.
Longerich, L. See Gault, M. H.
Longhurst, Sharon See Quinn, Brian; See
Raymond, Anne
—; Venetucci, Mary; Chan, Daniel; Fowler,
Mary; Garrett, Patricia; Trundle, Diana, 935
Longiaru, Mathew See Spadoro, Joanne
Lonink, Anita See van Oers, R. J. M.
Loomis, Lorie See Sullivan, Mark A.
Loor, R. See Coty, W.
Loper, J.; Garrett, C.; Price, D.; Strate, B.;
Montgomery, S.; Patel, M., 973
LoPresti, E. See Datta, P.
Lora, Antonio See Dorizzi, Romolo
Lorenz, Jeffrey D. See Donner, Joan
Lorenz, Jeffrey D. See Donner, Joan
Lorenzo, Luisa See Breyer, Emelita
Loses, Frank See Mercer, Donald W.
Lott, John A. See Lu, Carrie J.
—; Lu, Carrie J., 361; See Wallace, Brian H.
Louie, Pam See Madej, Roberta
Louie, Pam, See Mercer, Donald W.
Louer, Christopher R., 1097
Lowe, Christopher R., 1097
Lower, K. L. See Sanders, C. M.

Lowe, Christopher R., 1097 Lowe, K. L. See Sanders, C. M. Lowry, Sandra; Eaton, Phillip; Standefer, Jim; Nelson, Chris, 1656

Loyd, Joe E. See Hansen, Joel B.
Lu, Carrie J. See Lott, John A.
—; Lott, John A., 909
Lua, Ahai, C.; Chu, D.; Rogers, G., 981
Lucas, D. See Mathis, S.
Lucchetti, A. See Gregori, G.
Lucco, L. See Singh, J.
Luck, Alison See Rundell, Clark
Ludke, Laura See Sellers, Donald R.
Lue, Y. See Alcalde, X.
Lukinac, Ljerka; Kusic, Zvonko; Kes, Petar, 2153 2153
Lum, Siew-Kam; Baca, L.; Harri, M.; Hill, M.;
Peterson, T.; Sarosi, E.; Theobald, P. E., 997
Lunec, J. See Batki, A. D.
Lupold, Shelley See Kenten, John H.
Luppa, P. See Thijssen, J. H. H.
Luther, Clarence See Abdul-Ahad, Wajdi G. Luttrell, Brian; Watters, Sally, 438 Lutz, Charles T.; Cornell, Steven H.; Goeken, James A., 104 Lyon, A. W.; Anastassiades, T.; Kisilevsky, R., 1069 Mäentausta, Olli; Menjivar, Marta; Vihko, Mäentausta, Olli; Menjivar, Marta; Vihko, Reijo, 1412
Ma, Y.-X. See Caruthers, M. H.
Maas, Lori See Jensen, Todd
Macart, Michel; Gerbaut, L.; Vekich, A. J., 960
Maccaferri, M. See Palareti, G.
MacCollin, Mia See Pesce, Michael A.
MacDonnell, M. T., 602
Maciejewska, Urszula See Pudek, Morris R. MacNamara, E. M.; Aguzzi, F.; Petrini, C.; Higginson, J.; Gasparro, C.; Bergami, M. R.; Bianchi, G.; Whicher, J. T., 1570 MacNeil, Mary Louise See Mueller, Patricia MacNeil, Mary Louise W.; Mueller, Patricia W.; Caudill, Samuel P.; Steinberg, Karen K., Madej, Roberta See Louie, Pamela —; Louie, Pam; Rosa, Carazon Dela; Rodgers, Gail, 1058 Maeda, Ikuhiro; Hayashi, Sadao; Amino, Yoshikawa, Kazuhide

Nobuyuki; Miyal, Kiyoshi, 452 Maeda, Kenji See Niwa, Toshimitsu Maeda, M. See Ikegami, T.; See Tsuji, A. Maeda, Masako See Arakawa, Hidetoshi; See Machata, Lisuke See Yamamoto, Hiroshi Mackawa, Masato See Azuma, Yutaro Macrtens, Geert See Pollet, Dirk E. Maczawa, Hidenori See Tanaka, Akira Magasic, Mario V. See Cassulis, Akira Magaict, Mario V. See Cassulis, Pauline Magginetti, P. See Tsay, Y. G. Magginetti, Paul See Tsay, Yuh-geng Maggiore, J. A.; Maturen, A. J.; Williams, R. H., 925

Magginetti, Paul See Tsay, Yuh-geng
Maggiore, J. A.; Maturen, A. J.; Williams, R.
H., 925
Magid, Erit; Marshall, William; Peddecord, K.
Michael; Hammond, Herbert C., 770
Magnani, Carmelina See Cremonesi, Laura;
See Cremonesi, Laura
Maguire, James See Zytkovicz, T. H.
Maguire, James See Kyne, Frank
Mahan, Donald E. See Cahill, Patrick
Mahmood, N. See Regan, J.
Mahoney, John J.; Harvey, James A.; Wong,
Ronald J.; Van Kessel, Antonius L., 1244
Maier, J. See Bialk, P.; See Franken, Norbert
Maier, V. See Steinbach, G.
Maierna, Mauro See Brustolin, Domenico
Maillet, Lynn M. See Calabrese, Gary S.
Mainwaring-Burton, R. See Lamb, E.
Mair, Johannes; Arther-Dworzak, Erika;
Lechleitner, Peter; Smidt, Jörn; Wagner,
Ina; Dienstl, Franz; Puschendorf, Bernd,
845; See Vorderwinkler, Karl-P.
Majewski, G. See Bonnar, Peter; See DuHamel,
Barbara; See Hemstreet, Jane; See Jordan,
Sandra; See Lessard, Cynthia
Makino, Yoshihiko See Ashihara, Yoshihiro;
See Hiraoka, Toshikage
Malati, T. See Bhalla, Ravi B.; See Bhalla, Ravi
B.
Malerczyk, M. See Wiedmever, H. M.

B.

Malerczyk, M. See Wiedmeyer, H. M.

Malhotza, S.; Patrick, J.; McWhorter, B.;

Jennings, S., 973

Malik, Sohail; Kenny, Margaret; Talaat,

Rasmy; Ahmad, Suhail, 920

—; Landicho, Del; Halverson, Kevin; Ahmad,

Suhail; Kenny, Margaret, 931

Malikin, G. See Murthy, V. V.

Malikin, G. See Murthy, V. V.

Malikin, Galina See Murthy, Vadiraja V.

Malikin, Galina See Sullivan, Vadiraja V.

Malon, Denise See Atger, Véronique

Malone, Jane See Sullivan, Mark A.; See

Sullivan, Mark A.

Maluf, Karen See Passey, Richard B.

Maluf, Karen C. See Passey, Richard B. Mamas, S. See Boutten, B. Mandichak, J. J. See Altman, R. E. Mangassarian, H. See Peltyszyn, Stephanie Mangold, Dieter; Traeger, Ulrich; Feller, Paulette, 911
Manimekalai, Saravanan See Goldstein. Phillip Phillip
Manjure, S. S.; Talwalkar, G. V.; Sareen, R.;
Savant, N. S., 951
Mann, Kenneth G. See Bovill, Edwin G.
Mannucci, M. See Bruhn, H. D.
Mannucci, P. M. See Palareti, G.
Manotti, C. See Palareti, G. Mantero, Giovanni; Zonaro, Antonella; Albertini, Alberto; Bertolo, Paola; Primi,

Albertini, Alberto; Bertolo, Paola; Primi, Daniele, 422
Mantha, S. V. See Massey, K. L.; See Shuaib, A. Manzanares, Cecilia; Ibañez, Angeles; Dorado, Carlos A.; Sanz, Ramón, 768
Mar, Brenda See Countryman, Cari
Marangella, Martino See Petrarulo, Michele Marble, Terri L. See Ward, Kory M.
Marchand, J. See Cuilliere, M. L.
Marchand, J. See Cuilliere, M. L.
Marchand, M. See Levine, Daniel M.
Marcovina, S. M. See Levine, Daniel M.
Marcovina, Santica M.; Albers, John J.; Dati, Francesco; Ledue, Thomas B.; Ritchie, Robert F., 1676
Marcus, Martin See Franey, Robert J.

Robert F., 1676
Marcus, Martin See Franey, Robert J.
Marcus, R. See Trujillo, G.
Marfini, C. See Daudon, M.
Marfurt, K. See Bell, D.
Marich, J. E. See Dubensky, T. W.
Marinelli, Marcello See Banfi, Giuseppe
Mark, David H. See Linke, E. George
Markese, James See Abano, Darla A.
Markin, R. S. See Haven, M. C.
Markin, Rod See Earl, Robert
Marcusez, Luisa Diez See Arribas Ignaci Markin, Rod See Earl, Robert
Marques, Luisa Diez See Arribas, Ignacio
Marshall, Catherine M. See Duffy, Patrick
Marshall, Guillermo See Chase, H. Peter
Marshall, Villis R. See Doyle, Ian R.
Marshall, W. S. See Caruthers, M. H.
Marshall, William See Magid, Erik
Marsonal, William See Magid, Erik
Marsonal, William See Magid, Erik
Marsoner, H. See Sachs, Ch.
Martens-Düring, B.; Dati, F.; Buck, T.; Garin,
J. P.; Janitschke, K.; Pitzus, E.; Poloce, F.;
Ziegelmaier, R., 1045
Martin, Andrew; Clejan, See Huet, G.
Martin, Andrew; Clejan, Sanda, 1014
Martin, Andrew A.; Moon, Timothy; Clejan,
Sanda, 1050
Martin, Barbara See Herold, Christopher D.

Martin, Barbara See Herold, Christopher D. Martin, J. K. See Hughes, Julian Martin, Lynn See Leonard, Lorraine Martin, M. Louise See Henderson, L. Omar

Martin, Marilyn See Heal, Albert Martin, Mark See Wright, Reba Martinez-Hernández, David See Jaqueti,

Martz, Walter; Schütz, Hans Werner, 2016 Marumo, Fumiaki See Togashi, Kazuyoshi Maruyama, Atsuko See Fukui, Hideo Marvel, G. E. See Sanders, C. M. Marzorati, Daniela See Salvaggio, Antonino Mashige, Fumiko; Mikami, Yasuyo; Iijima, Setu; Shimizu, Teruo; Ohkubo, Akiyuki,

Masini, Silvano See Zucchelli, Gian Carlo Massart, Catherine; Guilhem, Isabelle; Gibassier, Jacqueline; Allannic, Hubert; Nicol, Marc, 1777

Nicol, Marc, 1777
Massey, M. L. See Kalra, J.

---; Balion, C. M.; Mantha, S. V.; Laxdal, V. A.;
Kalra, J., 916
Massey, Richard See Kenten, John H.
Massey, Richard J. See Blackburn, Gary F.
Masson, Joëlle See Lemonnier, Françoise
Masson, Parvesh; Weber, Kerstin, 307
Masters, B. See Ashwood, E.; See Ashwood, E.

Masters, Barbara; Owens, M.; Jacobs, N.; Blackwell, S.; McNeil, K., 1015 —;, 922

—; , 322
Masterton, John P. See Wan, Abraham T.
Mastin, Stephen H.; Buck, Robert L.;
Mueggler, Paul, 994
Mastuzawa, K. See Yamaji, T.
Mathews, Elizabeth A. See Wickus, Gary G.
Mathews, Pachel See Above, Daylo A. Mathews, Enizabeth A. See Wickus, Gary G. Mathews, Rachel See Abano, Darla A. Mathis, S.; Ciganko, J.; Klingshim, F.; Krodel, E.; Lucas, D.; Carey, G.; Boland, J., 1033 Matikainen, Marja-Terttu See Lilja, Hans Matsubayashi, Yoshie See Ogawa, Zensuke

Matsumoto, Ken; Yagihashi, Satoru; Kato, Hideo; Hata, Junichoro; Kabeno, Shouko; Yamashita, Shinya; Hirai, Keisuke; Kuma, Kanji; Umeki, Kazumi; Kotani, Tomio;

Kanji; Umeki, Kazumi; Kotani, Tomio; Ohtaki, Sachiya, 1027 Matsuoka, Akira See Kobayashi, Kunio Matsuoka, Lois Y. See Wortsman, Jacobo Matsushita, M. See Irino, T. Matsushita, Makoto See Irino, Tsutomu Matsuura, Shuji See Kubotsu, Kazuhisa Matsuura, Tsuneaki; Yamada, I.; Hasegawa,

Matsuyama, T. See Yoneda, Koji Matsuzaki, Hiroko See Hirano, Tetsuo Mattes-Pound, M. See Roman, J. Mattes, Richard See Shaw, Leslie M. Matteucci, Elena; Gregori, Giovanna; Pellegrini, Luisa; Navalesi, Renzo;

Pellegrini, Luisa; Navalesi, Renzo; Giampietro, Ottavio, 1436 Mattioli, Pier Luigi See Colonna, Alfredo Maturen, A. J. See Maggiore, J. A. Mauck, L.; Finding, K.; Pratt, L.; Graby, C.; Heinle, J.; Dappen, G.; Smith-Lewis, M.; Arter, T.; Harris, B.; Birceree, J., 990; See Hilborn, David A.; See Oenick, Marsha D.

Hennle, J.; Dappen, G.; Smith-Lewis, M.;
Arter, T.; Harris, B.; Birercee, J., 990; See
Hilborn, David A.; See Oenick, Marsha D.
Bale
Maudelonde, T. See Duffy, M. J.
Mauer, S. Michael See Steffes, Michael W.
Maxson, Joyce C. See Wang, Chi-Chin; See
Wang, Chi-Chin
Mayer, A. See Skrzipczyk, Heinz Jürgen
Mayer, G. See Steiner, G.
Mayrand, Eric See Kronick, Mel N.
Mazhar, Mohammed; Zhang, Yanru; Binder,
Steven R., 1016
Mazoh, Judith A. See Thompson, John C.
McBride, James See Dodd, Leslie
McBride, James H. See Dodd, Leslie G.
—; Rodgerson, Denis O.; Park, Sue S.; Reyes,
Ana F., 643
McCann, Shaum See Kyne, Frank
McClellan, A. C.; Middelkamp, E. M.; Walton,
K. G.; Hinds, B. J.; Scott, M. G., 970
McClelland, Michael; Hanish, John; Wong, K.
K.; Le Biros, Mike; Nelson, Mike, 606; See
Welsh, John; See Welsh, John
McCombl, Robert See Anderson, Donna
McConnell, Joseph See Anderson, David
McCormack, Gina; Horowitz, Gary L., 988
McCusker, Larry; Reinhardt, Bruce; Drozda,
Ed; Larsen, Fred; Bluestein, Larry, 1055
McDaniel, R. See Reason, Craig H.
McDaniel, Raymond F. See Elfath, Dean
McDermott, E. See Duffy, M. J.
McDaniel, Raymond F. See Elfath, M. Dean
McDermott, E. See Duffy, M. J.
McDonald, Jay M. See Shalwitz, Robert A.
McGrath, D. See Bruni, J. F.
McGrath, D. See Bruni, J. F.
McGregor, Ellon See Ominiczak, Marek H.
McGarik, T. See Baca, Lori
McKeever, Robert T. See Wang, Chi-Chin
McKeever, See Bernen, P.; Twarowska, B.

Salamone, S. J., 1017; See Siemon, Peggy; See Siemon, Peggy; See Si

Twarowska, B.

McNally, Alan J. See Price, Theresa
McNally, Mary P. See Brown, Scott M.
McNamara, Judith R. See Li, Zhengling
—; Contois, John H.; Carrasco, Wanda T.;
Schaefer, Ernst J., 927
McNeil, K. See Masters, Barbara
McPherson, R. See Massar, B. A.
McPherson, R. See Massar, B. A.
McPherson, R. See Malhotra, S.
McWhorter, B. See Malhotra, S.
McWhorter, B. See LeGatt, Donald F.
Medcalf, E. A. See Deleo, D. T.; See Thakkar,
H.

Mee, A. V. See Wong, P. Y. Meeuwsen-van der Roest, W. P. See Zijlstra, W. G.

Mehta, N. See Coty, W.

Mehta, Pallavi See Torké, Narayan S.

Melamies, Liisa See Ailus, Kirsi Melchione, Frances See Nelson, Carol Melchior, Ann; Krueger-Nielsen, Sandra; Raisys, Vidmantas A.; Toivola, Bert, 991 Menchén-Herreros, A. See González-Revalderia, J.

Mendell, Jerry R. See Prior, Thomas W. Mendoza, D. A. See Baker, Derek P. Menendez-Botet, Celia J.; Schwartz, Morton

K., 958

Mengual, Pedro See Molina, Rafael

Menjivar, Marta See Mäentausta, Olli

Mercer, Donald W.; Losos, Frank; Jacobs, Samual, 1051
Mercer, W. See Dipaola, Joseph; See Salinas,
Rosalia

Mosalia
Mereau-Richard, C.; Muller, J. P.; Faivre, E.;
Ardouin, P.; Rousseaux, J., 126
Mertz, Sherry L. See Johnson, Steven R.
Messeri, G. See Thijssen, J. H. H.
Metcalf, Patricia See Baker, John
Methidian Methids Metsärinne, Kaj See Teppo, Anna-Maija Metzler, M. See Kraght, P.

Metsarinne, Kaj See Teppo, Anna-Maja
Metzler, M. See Kraght, P.
Metzmann, E. See Bahar, I.; See Bahar, I.; See
Chen, J.; See Cohen, J.; See Fagan, G.; See
Leek, A.; See Padilla, A.
Miano, L. See Whitehead, T. P.
Miano, Lino See Salvaggio, Antonino
Miao, Ru-Lan See Anderson, Geoffry
Miceli, C. See King, Carol
Miceli, Joseph N., 1103
Michels, Jean-Marc See Angele, Carolyn
Michiels, Gerda See Van Biervliet, Jean-Pierre
Michielson, C. See Bhargava, A.
Middelkamp, E. M. See McClellan, A. C.
Mifflin, T. E. See Bowden, J.
Migueres, M. L. See Roche, D.
Mikami, Yasuyo See Mashige, Fumiko
—; Yashinoya, Sadayoshi, Sasaki, Hideaki;
Ohkubo, Akiyuki, 1042; See Yosinoya,
Sadayoshi

Sadavoshi Millane, Teri; Devarajan, Sanjeyan; Fashola, Taiwo; Bush, Richard; Holt, David W., 1401 Miller, Dayton T. See Mueller, Patricia W.; See

Sowell, Anne L.

Miller, James J.; Stone, M. A.; Valdes, R., Jr.,

Miller, Dayton T. See Mueller, Patricia W.; See Sowell, Anne L.

Miller, James J.; Stone, M. A.; Valdes, R., Jr., 956

—; Valdes, R., Jr., 987

—; Valdes, Roland, Jr., 144

Miller, Jeffrey See Todd, Dennis

Miller, John A. See Koczyk, Katherine

Miller, Michael See Kwiterovich, Peter O., Jr.

Miller, Norman E. See Nanjee, M. Nazeem

Miller, Stephen J., See Clark, Gregory D.

Miller, Valery T., 1098

Miller, W. Greg; Levine, Jacob B.; Santulli,

Mike; Flom, Kerry J.; Greenberg, Neil;

Kessner, Arthur; O'Neal, Wendell R.; Wiebe,

Donald A.; Adiletto, Carol, 584

— Brown, Betty; Dalby, Tim, 920

Miller, Warren See Hansen, Joel B.

Miller, Warren K. See Pierson-Perry, James F.

Millner, S. N., 953

Millar, Warren See Hansen, Joel B.

Miller, Warren See Yamamoto, Katsuhiko

Minagawa, H. See Tozuka, Minoru

Miyachi, Yukitaka See Ueshiba, Hajime

Miyai, Kiyoshi See Takeoka, Keiko

Miyachi, Yukitaka See Ueshiba, Hajime

Miyai, Kiyoshi See Maeda, Ikuhiro

Miyazaki, Takashi See Miwa, Toshimitsu

Mizusawa, Kiyoshi See Shirokane, Yoshio

Moatti, N. See Myara, I.

Modh, Bhavna; Lenda, Regina; Fitzpatrick,

Judith, 1002

Moi, S. See Bruni, J. F.

Moldovan, Florina; Boudaoud, Said; Jacob,

Laurent; Carron, Serge-André; Boudou,

Philippe; Villette, Jean-Marie; Eurin,

Benoit; Fiet, Jean, 2012

Molina, Rafael; Filella, Xavier; Bruix, Jordi;

Mengual, Pedro; Bosch, Jaume; Calvet,

Xavier; Jo, Judith; Ballesta, Antonio M.,

1379

Monanu, M. O. See Ekeke, G. I.

1379

Monanu, M. O. See Ekeke, G. I.

Monji, Nobuo; Cole, C.-A.; Su, P.; Gosting, L.

H.; Montana, J. P.; Coleman, P. F., 1025

Monnens, L. A. H. See Geven, W. B.

Monroe, L. See Iocco, G.

Montague, P. See Cuilliere, M. I.

Montague, D. See Billing, Janet; See Hughes,

Julian

Montali, Umberto See Balzan, Silvana

Montana, J. P. See Monji, Nobuo

Monteagudo, J. See Bruhn, H. D.

Montero, Jose See Rosecrans, Robert

Montgomery, S. See Loper, J.
Moon, C. See Topliff, C.
Moon, T. See Clejan, S.
Moon, Timothy See Martin, Andrew A.
Mooney, Robert A. See French, Carol A.
Moore, B. M. See Steiner, J. P.
Moore, Bonnie See Robbins, David
Moore, C. M.; Sato, K.; Katsumata, Y., 804
Moore, John J.; Sax, Sylvan M.; Nadkarni,
Satej R., 936

Moore, John J.; Sax, Sylvan M.; Nadkarni, Satej R., 936
—; Sax, Sylvan M.; Nadkarni, Satej R., 966
Moore, Kenneth T. H. See Price, Alun Moore, R. See Verdon, C. P. Moore, W. See Iocco, G. Moorehead, Wells R. See Ryder, Kenneth W. Morales, Antonio J. See Soldin, Steven J.

—; Soldin, Steven J., 984
Morand, P. C. See Conti, M.
Morel, A. M. See Chauveau, J.
Morelet, L.; Legendre, C.; Kreis, H.; Lacour, B.,

Morelet, L.; Legendre, C.; Kreis, H.; Lacour, B.,
472
Morelli, Anna M. See Franzini, Carlo
Morello, Ann See Schubert, Laura
Mort, W. E. See Seiler, K.
Morgan, Bradley R.; Artiss, Joseph D.; Zak,
Bennie, 944
Morgan, C. See Emson, P. C.
Morgan, Rich See Katz, Paula
Moriarty, John See Whelan, Patrick
Morin, L. G. See Wheaton, Robert N.
Morris, D. See Trujillo, G.
Morrison, John E. See Harrison, L. Mark
Morton, R. C. See Khosravi, M. J.
; Khosravi, M. J., 1021
Morton, T. See Coty, W.
Mosca, Andrea; Agape, Vittorio; Fere,
Angelino; Besozzi, Marco, 958
Moser-Veillon, Phylis M., 1105
Mostert, M. See Shamberger, R. J.; See
Shamberger, R. J.
Motevalli, Mahnaz See Kwiterovich, Peter O.,
Jr.

Motter, K. See Rouse, S.; See Ward, C. Motti, Corradino; Funke, Harald; Rust, Stephan; Dergunov, Alexander; Assmann,

Stephan; Dergunov, Alexander; Assmann, Gerd, 1762 Moyer, T. P. See Raasch, R. J.; See Raasch, R. J. Moyer, Thomas P. See Nixon, David E. —; Mussmann, Garry V.; Nixon, David E., 709 —; Winkels, Julie; Krom, Ruud; Wiesner, Russell, 1120

Musein, 1720 Mueggler, Paul See Mastin, Stephen H. Mueller, C. See Thijssen, J. H. H. Mueller, Franco B.; Laragh, John H., 1868 Mueller, Patricia W. See MacNeil, Mary

S.
S.
Mukerjee, H. See Haskins, Cheryl M.
Mulberg, Edith, 1005.
Mulin, Jelena; Cole, R.; Trundle, D., 975
Muller, J. See Vincent-Viry, M.
Muller, J. P. See Mereau-Richard, C.
Mullins, Marvin See Padala, V. Reddy
—; Bielawski, C.; Padala, V. Reddy, 924
—; Bielawski, C.; Connie; Slaby, Richard; Padala, V.
Reddy, 1010.

—; Bielawski, Connie; Slaby, Richard; Padala, V. Reddy, 1010
Mullins, R. E. See Wheaton, Robert N. Mullis, Kary B., 599
Mulqueen, Paul J. See Babson, Arthur L. Munro, C. J.; Stabenfeldt, G. H.; Cragun, J. R.; Addiego, L. A.; Overstreet, J. W.; Lasley, B. L., 338
Murakami, Hiroshi See Nishizono, Isao Murakami, J. See Coty, W. Murakami, J. See Coty, W. Murakami, Mary Ann See Hyde, John E. Murata, G. See Hufnagle, Gary Murawski, J. See Daniel, D. Murillo, Magdalena D. See Skogerboe, Kristen J.

Murone, Michelangelo See Banfi, Giuseppe Murphy, Brian See Khalil, Omar S.; See Khalil, Omar S.

Murphy, M. S. See Baker, Derek P. Murray, J. A. See Stretcher, B. N. Murtagh, J. See Shamberger, R. J. Murthy, H. M. S. See Breglio, Susan Murthy, V. V.; Malikin, G.; Karmen, A., 914 Murthy, Vadiraja V.; Malikin, Galina;

Karmen, Arthur, 1309
Mussmann, G. V. See Raasch, R. J.
Mussmann, Garry V. See Moyer, Thomas P.;
See Nixon, David E. Muth, Karen See Leonard, Lorraine

Myara, I.; Quenum, G.; Storogenko, M.; Tenenhaus, D.; Guillemain, R.; Moatti, N., 1334

Tenenhaus, D.; Guillemain, R.; Moatti, N., 1334

Myers, D. See Fairchild, L.; See Fairchild, L.
Myers, Gary L. See Bernert, John T., Jr.; See Smith, S. Jay

Mylott, G. See Blake-Courtney, J.
Myo-Khin; Genge, James R.; Bolin, Terry D.;
Htain-Win, 2161

Nève, Jean; Leclercq, Nathalie, 723

Naccarato, Remo See Plebani, Mario

Naccarato, W. F. See Bussian, R. W.

Naden, N. See Shackelford, W. H.

Nadig, K. B.; Niedbala, R. S.; Volkert, R. M.;
Hannabery, J., 1035; See Volkert, R. M.

Nadkarni, Satej See Welch, Charles

Nadkarni, Satej See Welch, Charles

Nadkarni, Satej R. See Moore, John J.; See

Moore, John J.

Nagai, Ryozo See Katoh, Hirohisa

Nagasundaram, N. See Hariharan, M.

Nagata, Atsuo; Komoda, Tsugikazu, 1053

Nagata, Kazuhiko; Shinzaki, Akihiro; Suzuki,

Tadao; Tomita, Kosuke, 1048

Nagata, Kazuhiko; Shinzaki, Akihiro; Suzu Tadao; Tomita, Kosuke, 1048 Nagel, Rolf, 962 Naito, Herbert K. See Little, Randie R. Naka, Keiichi See Shimojo, Nobuo Nakajima, K. See Amano, S. Nakajima, Moto-o See Shirokane, Yoshio Nakamura, Hiroshi See Carey, Doug; See Ihara, Hiroshi

Nakao, Mitsuru See Shimojo, Nobuo Nakate, H.; Kohno, H.; Ogawa, N.; Konno, M.,

1027
Nandedkar, Arvind K. N.; Royal, George C.,
Jr.; Watkins, Roy C., 990
Nanes, M. See Wheaton, Robert N.
Nanjee, M. Nazeem; Gebre, Abraham K.;
Miller, Norman E., 868
Nannipieri, M. See Gregori, G.; See Penno, G.
Naoe, Tomoki See Kunishima, Shinji
Napoli, Kimberly L.; Kahan, Barry D., 294
Narang, Rama; Rao, J.; Savjani, G.; Petersen,
J., 1049
Naravanan, S. See Lin, F. C.: See Perel, J. M.:

Narayanan, S. See Lin, F. C.; See Perel, J. M.;

Narayanan, S. See Lin, F. C.; See Perel, J. M.; See Perel, J. M.
Narlock, Cynthia A. See Bilodeau, Laura L.
Naruse, Hiroo See Horiuchi, Kentaro
Nassar, B. A.; McPherson, R.; Lamothe, E.
M.-F.; Al-Sultan, A. I.; Zhang, Z.-J.;
Rosenblatt, D. S., 1308
Natale, K. See Kozuch, S. A.
Natoll, E.; Siperas, J.; Lindsey, K.; Chang, S.;
Barlow, E., 1018
Navalesi, R. See Gragori, G.; See Penno, G.
Navalesi, Renzo See Giampietro, Ottavio: See

Navalesi, Renzo See Giampietro, Ottavio; See Matteucci, Elena Navarro-Gallar, Fernando See Jaqueti,

Jerónimo Jeronimo
Navarro, M. A. See Juan-Pereira, L.
Navazi, W. See Hufnagle, Gary
Nawrocki, J. W. See Uprichard, A. C. G.
Nazeer, Tipu See Rosano, Thomas
N'Diaye, Françoise See Atger, Véronique
Nealon, D. See Hasselberg, S.; See Kozuch, S.

Nealon, D. A.; Delaney, D. W., 999 —; , 915 —; 915
Necklaws, E. See Groskopf, W. R.
Necklaws, Elizabeth See Bodner, John B.
Needham, David J. See Chou, Peter P.
Neelkantan, Neel V.; Oduaran, Earlene L.;
King, Mary E.; Plummer, George M., 1003
Neely, H. See Witherspoon, L. R.
Nehmadi, Friedah; Yedinak, Jennifer;
Jeanblane, Nicolette; Fitzgerald, Karen;
Keller, Charles, 965
Nelson, Carol; Melchione, Frances; Person,
Nils B., 960

Nils B., 960
Nelson, Chris See Lowry, Sandra
Nelson, Jerald C.; Wilcox, R. Bruce; Csako,
Gyorgy, 128; See Wilcox, R. Bruce
Nelson, Mike See McClelland, Michael
Nestel, P. J. See Booth, S.
Neto, Eurico Camargo; Schulte, Jaqueline;
Kreisner, Edmundo; Giugliani, Roberto, 935
—; Jardim, Laura B.; Leite, Julio Cesar; Silveira,
Elisabeth Lemos; Barth, Maria Luiza;
Giudiani Roberto, 999 Giugliani, Roberto, 989

—, , 1736 Neumeier, D. See Lammers, Manfred; See Thijssen, J. H. H. Neutel, Joel M. See Weber, Michael A. Newman, D. J. See Deleo, D. T.; See Thakkar,

Newton, Clive R. See Wenham, Philip R.; See Wenham, Philip R.

Newton, Melenie K. See Bland, Elaine

Ng, C. F. See Antonian, E.; See McNally, A. J.; See Twarowska, B.

Ng, Ronald H.; Sparks, Katherine M.; Statland,
Bernard E., 435

-; Sparks, Katherine M.; Statland, Bernard E., 917

-; Sparks, Katherine M.; Statland, Bernard E., 948

948

Ng, Valerie L., 1667

Nguyen, Nghia D. See Wong, Shan S.

Nguyen, Nicole See Wen, Long T.

Nichols, James H.; Burritt, Mary F.; Ellefson,
Ralph D.; Schifferdecker, Karen, 920

Nicholson, James See Herold, David A.

Nickel, Karen L., 1471

Nicol, Mare See Massart, Catherine

Nicolini, Andrea See Pilo, Alessandro

Nicolil, G. W.; Struthers, A. D.; Fraser, C. G.,

1794

Niedbala, R. S. See Nadig, K. B.; See Volkert, R.M.

Niimi, A.; Sumi, Y.; Sawaki, Y.; Okazaki, Y.; Ueda, M.; Kaneda, T., 1287 Nilsson, L. See Jones, A. W. Nilsson, Olle Sec Lilja, Hans Nimpf, Johannes, 892

Ninomiya, Tadashi See Ashihara, Yoshihiro; See Hiraoka, Toshikage Nishida, Sonia K. See Pereira, Aparecido B.; See Pereira, Aparecido B.; See Vieira, Jose

Nishida, Sonia R. See Pereira, Aparecido B.;
See Pereira, Aparecido B.; See Vieira, Jose
G.
Nishikawa, Mitsushige See Ukita, Chizuko
Nishitani, Hiroshi See Ohta, Mitsuhiro
Nishitani, Hiroshi See Ohta, Mitsuhiro
Nishizono, I See Ashihara, Yoshihiro
Nishizono, I Sao See Ashihara, Yoshihiro; See
Hiroka, Toshikage
— Jida, Sakiko; Suzuki, Nobuko; Kawada,
Hidenobu; Murakami, Hiroshi; Ashihara,
Yoshihiro; Okada, Masehisa, 1639
Niwa, Toshimitsu; Yoshizumi, Hideo; Emoto,
Yutaka; Miyazaki, Takashi; Hashimoto,
Naosumi; Takeda, Naohito; Tatematsu,
Akira; Maeda, Kenji, 159
Nixon, David E. See Raasch, R. J.
Nixon, David E. See Royer, Thomas P.
—; Mussmann, Garry V.; Eckdahl, Steven J.;
Moyer, Thomas P., 1575
Noar, B. See Brumi, J. F.
Nobbs, C. See Saber, Anne
Noell, H. See Chimera, J. A.
Nogués, Xavier See Sentí, Mariano
Nogueira, C. See Gaillard, Christine
Noma, Akio See Abe, Akira
Norbury, Sarah See Ratcliffe, Wendy A.; See
Ratcliffe, Wendy A.
Norden, A. G. W.; Fulcher, L. M.; Lapsley, M.;
Flynn, F. V., 74
Norman, Robert J. See Cain, Heather J.
Noroton, R. See Tsay, Y. G.
Norton, R. See Tsay, Y. G.
Norton, Robert See Tsay, Yuh-geng
Noteboom, Jennifer See Vessella, Robert
Novros, J.; Arter, T.; Harris, B.; Ferrara, L.,
884

Novros, J.; Arter, T.; Harris, B.; Ferrara, L., 984

984
Nowakowski, M. See Bruni, J. F.
Nussbaum, Samuel, 142
Nussbaum, Samuel R. See Hawker, Charles D.
Nuutila, Pirjo; Irjala, Keritu; Kaihola, Hanna-Leena; Seppälä, Pentti; Vilkari, Jorma, 1120
Nystrand, M.; Persson, P.; Joustra, M., 1054
Oberhardt, Bruce J.; Dermott, Sharon C.;
Taylor, Murdock; Alkadi, Zaid Y.; Abruzzini,
Anthony F. Gresslift, Nancy J., 520

Taylor, Murdock; Alkadı, Zaid Y.; Abruzzini, Anthony F.; Gresalfi, Nancy J., 520
Obremski, Robert See Palmer, Dennis A.
O'Brien, John F. See Forsman, Rodney W.
O'Brien, Peter See Taber, Larry D.
O'Broin, Sean See Kyne, Frank
Obzansky, D. M.; Rabin, B. R.; Simons, D. M.;
Tseng, S. Y.; Severino, D. M.; Eggelte, H.;
Fisher, M.; Harbron, S.; Stout, R. W.; Di
Paolo, M. J., 1513
Obzansky, David M. See Pierson-Perry, James
F.

F.
O'Comor, M. L. See Shihabi, Z. K.
Odelius, G. See Lafolie, P.
Odell, William D. See Grover, Sanjeev
Odioso, Leslie See Dameron, Greg
O'Donnell, A.; Santiano, S.; Fitzpatrick, J.;
Bhargava, A., 1056
O'Donnell, C. M.; Schultheis, S.; Vekich, S.,

Oduaran, Earlene L. See Neelkantan, Neel V. O'Dwyer, Bernadette See Power, Michael J. Oellerich, Michael, 1099; See Petersen, Detlev; See Schumann, Gerhard

Oenick, M. Bale See Hilborn, David A.

Oenick, Marsha D. Bale; Hilborn, D.; Danielson, S.; Mauck, L.; Byrne, D.; Thomas, G.; Hassett, J.; Erdrich, C.; Dappen, G., 1035 Oesterling, Tom See Peterson, Jim Offner, Gisela See Schumann, Gerhard Ogawa, Massashi See Ashihara, Yoshihiro; See Hiraoka, Toshikaga

Ogawa, Masasmi See Asninara, Tosminiro; See Hiraoka, Toshikage Ogawa, N. See Nakate, H. Ogawa, Zensuke; Matsubayashi, Yoshie; Satoh, Shigeru; Orita, Nobuhiro; Itoh, Hajime,

1323
O'Grady, John See Scalice, Edward R.
O'Grady, M. See Blanchard, J-M
O'Grady, M. V.; Weber, T. A.; Kildal-Brandt, P.
A.; Greenberg, N.; Powers, D. M., 959
Oh, Chan; Dobashi, Tom; Kearns, Betty; Yan,
Cheng; Stone, Lin; Joe, Shelley; Cheng,
Anthony; Theobald, Paul, 1026
Ohanian, Edward V., 1104
O'Higgins, N. See Duffy, M. J.
Olkubo, Akiyuki See Mashige, Fumiko; See
Mikami, Yasuyo; See Yosinoya, Sadayoshi
Ohman, E. Magnus See Christenson, Robert H.
Ohno, Ryuzo See Kunishima, Shinji
Ohta, Kiyoe See Ohta, Mitsuhiro
Ohta, Mitsuhiro; Itagaki, Yasuko; Itoh,

Unta, Kiyoe See Ohta, Mitsuhiro
Ohta, Mitsuhiro; Itagaki, Yasuko; Itoh,
Nobuyuki; Hayashi, Kyozo; Nishitani,
Hiroshi; Ohtak, Kiyoe, 36
Ohtaki, Sachiya See Matsumoto, Ken
Okabe, Hiroaki See Uji, Yoshinori
Okada, M. See Ashihara, Yoshihiro; See
Yamamoto, Katsuhiko
Okada, Masahisa See Nishizono Jeao

Tamamoto, Katsuniko
Okada, Masahisa See Nishizono, Isao
Okazaki, Y. See Niimi, A.
Okuda, Kiyoshi See Shimojo, Nobuo
O'Leary, Peter; Boyne, Peter; Flett, Peter;
Beilby, John; James, Ian, 667
Ollington, F. See Reason, Craig H.

Olson, Arthur J., 607 Olson, D. See Reichstein, E. Olson, Douglas R. See Babson, Arthur L Omand, Kathy; Bowen, T. P.; Kost, G. J., 1037 Omodei, Umberto See Panteghini, Mauro

Omodei, Umberto See Panteghini, Mauro O'Neal, Wendell R. See Miller, W. Greg Ong, Agus See Eguchi, Lois Onigbinde, T. A. See Johnson, Kent G. Onigbinde, Taofiq A.; Johnson, K. G.; Wu, A. H. B.; Wong, S. S., 995
Ooi, Daylily S.; Escares, Eduardo A., 771
Opalek, Julia T. See Hamlin, Clive R. Opheim, Kent E. See Clark, Gregory D. Oraedu, Anthony See Salami, Christopher Ordovas, Jose M. See Li, Zhengling Oriani, Giovannangelo See Castaldo, Giuseppe

Giuseppe
Orita, Nobuhiro See Ogawa, Zensuke
Orrego, Hector See Blake, Joan
Orsulak, P. J.; Wittman, P. D.; Akers, L. C.;
Demian, S. E., 999
—; Akers, L. C.; Haven, M. C., 1032
Ortola, J. See Fuentes-Arderiu, X.
—; Fuentes-Arderiu, X., 583
Ortuño, J. See Gouzalez-Revalderia, J.
Oc. C. H. v. See Gauge W. R. Os, C. H. v. See Geven, W. B. Osawa, Hisao; Yoshino, Fumio; Yamada, Akifumi, 949 Osberg, Iris See Chase, H. Peter; See

Osberg, Iris See Chase, H. Peter; See Giampietro, Ottavio, W. Oshima, Hisaji See Tanaka, Hirotoshi Osikowicz, E. See Groskopf, W. R. Osikowicz, Gene See Baker, Harold N. Osselaer, Jean-Claude; Lievens, Michel M.,

1460
Osswald, U. See Steinbach, G.
Oster, Thierry See Angele, Carolyn
Osterloh, John See Yu, Stephen S.
Othman, Sakinah See John, Rhys
Otvos, J. D.; Jeyarajah, E. J.; Hayes, L. W.;
Freedman, D. S.; Janjan, N. A.; Anderson,
T., 369

T., 369
-; Jeyarajah, E. J.; Bennett, D. W., 377
Otvos, James; Jeyarajah, Elias; Bennett,
Dennis; Anderson, Alfred; Freedman, David;
Barboriak, Joseph, 918
Overstreet, J. W. See Munro, C. J.
Owens, M. See Masters, Barbara
Owicki, John C. See Wada, H. Garrett

Owica, John Le See Wada, H. Garrett Paavonen, Timo; Lippo, Kari; Aronen, Hannu; Kiistala, Urpo, 1909 Paci, Anna See Clerico, Aldo Padala, V. Reddy See Mullins, Marvin; See

Metzmann, E., 938

Paez, Sonia See Anderson, Geoffry
Pagani, Franca See Panteghini, Mauro; See
Panteghini, Mauro; See Panteghini, Mauro;
See Panteghini, Mauro; See Panteghini,
Mauro; See Panteghini, Mauro
Pakosta, Renate See Widhalm, Kurt
Palareti, G.; Maccaferri, M.; Manotti, C.;
Tripodi, A.; Chantarangkul, V.; Rodeghiero,
F.; Ruggeri, M.; Mannucci, P. M.;
C.I.S.M.E.L., 714
Pallas, Michael See Kronick, Mel N.
Palmer-Foust, Annette See Goldsmith,
Barbara M.

Barbara M

Palmer, Dennis A.; Silzel, John W.; Wang, Hann-Ping; Obremski, Robert; Knight, William, 1048

William, 1048

Palmer, Elizabeth J.; Brotea, George P.;
Caines, Patrick S. M.; Thibert, Roger J., 972

Palmer, Harvey J. See Columbus, Richard L.
Palmieri, Thomas See Babson, Arthur L.
Palosuo, Timo See Allus, Kirsi

Pandian, M. R. See Vendely, Patricia

Pane, F.; Sarrantonio, C.; Calcagno, G.;
Sanduzzi, A.; Perna, F.; Bariffi, F.;
Salvatore, F.; Sacchetti, L., 1053

Pang, P. See Becker, Janice

Pannall, Peter R. See Cain, Heather J.
Panteghini, Mauro; Pagani, Franca; Bonora,
Roberto, 913

Roberto, 913

-; Pagani, Franca; Alebardi, Olga; Lancini, Gianpaolo; Cestari, Renzo, 1602 1449

--; , 1449 --; Omodei, Umberto; Sorgi, Franco; Pagani, Franca; Gastaldi, Attilio, 920 Pagani,

Franca; Gastaldi, Attilio, 920

; Alebardi, Olga; Bonora, Roberto; Pagani,
Franca, 918

; Pagani, Franca, 2009

; Bonora, Roberto; Pagani, Franca; Sanders,
Gerard; van der Neut, Esther; van Straalen,

Jan, 1300
Pap, Kathleen M. See Chan, Siu C.
Papadopoulos, N. M. See Costello, Rene

Papadopoulos, N. M. See Costello, Rene
Papanastasiou-Diamandi, Anastasia;
Khosravi, M. J., 1029
Papp, Audrey C. See Prior, Thomas W.
Pappert, G. See Bialk, P.
Parce, J. Wallace See Wada, H. Garrett
Pardridge, William M.; Demers, Laurence M.,
139; See Swinkels, Leon M. J. W.
Pardue, Harry L. See Bacon, Bonnie L.
Parez, Jean-Jacques See Leal, Teresinha
Parfitt, A. M. See Wilson, Paulette
Parikh, Nayana See Wilson, Paulette
Park, Choong See Lambotte. Paul

Parfitt, A. M. See Wilson, Paulette
Parlikh, Nayana See Wilson, Paulette
Park, Choong See Lambotte, Paul
Park, Sue S. See McBride, James H.
Parker, K. Michael; Rawlings, Valorie; Blick,
Kenneth E., 2016
—; Rawlings, Valorie; Dunn, Luann, 1013
Parker, T. See Levine, Daniel M.
Parker, Thomas See Levine, Daniel M.
Parker, Thomas See Levine, Daniel M.
Parker, Arthur B. See John, Rhys
Parrish, D. See Peltyszyn, Stephanie
Parsons, Patrick J.; Reilly, Andrew A.;
Hussain, Azmat, 216
Parsons, S. See Wolf, Steve
Parvin, Curtis A.; Gray, Diana L.; Kessler,
Gerald, 637
—; 1720
Parvy, P. See Kamoun, P.
Pascual, Carlos See Romsy, Cheyla
Pashos, Gail See Hortin, Glen L.
Passarelli, J. See Bates, M.; See
Blake-Courtney, J.; See Brandle-O'Connor,
J.; See Casaretto, M. E.
Passey, Richard B. See Bliok, Kenneth E.
—; Maluf, Karen C.; Blouin, Barbara, 957
—; Maluf, Karen C.; Blouin, Barbara, 959
Passutto, F. M. See Alessi-Severini, S.
Patel, Ashok, R. See Torke, Naravan S.

Pasutto, F. M. See Alessi-Severini, S.
Patel, Ashok R. See Anderson, Geoffry
Patel, Ashok, R. See Torke, Narayan S.
Patel, C. See Baca, Lori
Patel, Lina See Zaman, Syed
Patel, M. See Loper, J.
Patel, V. See Ramey, Karen
Patrick, J. See Lipke, D. L.; See Malhotra, S.
Patsch, Josef See Jarausch, Jochen
Patton, Richard G. See Ferreri, Larry
Pau, B. See Cuilliere, M. L.
Pau, Bernard See Larue, Catherine
Paulins, Mike See Anderson, Phil
Peach, Robert J. See Sheat, J. Merle
Pear, Julie R. See Houck, Catherine M.
Pearson, J. Richard; Wells, Rhondda;
Robinson, Aubrey, 2014

Robinson, Aubrey, 2014
Pearson, S. D.; Petersen, J. R., 942
Peddecord, K. Michael See Magid, Erik
Pedriana, P. See Coty, W.
Pedro-Botet, Juan See Sentí, Mariano

Pedromingo-Marino, A. See González-Rivera. Peeters, D. C. See Pollet, D. E.
Peeters, Danielle See Pollet, Dirk E.
Peheim, E. See Gerhardt, W.
Pehling, Gregory B. See Wickus, Gary G.
Peiper, Stephen C. See Robinson, C. Andrew
Peled, N. See Avery, G. M.
Pellegrini, Luisa See Matteucci, Elena
Pellegrini, Massimo See Clerico, Aldo
Peltonen, Pekka See Hamlin, Clive R.
Peltyszyn, Stephanie; Parrish, D.;
Mangassarian, H., 1045
Pelzer, H. See Bruhn, H. D.
Pemberton, Michael B. See Glick, Melvin R.
Penke, Botond See Török, Angela
Penn, G. See Jones, R. G. Peeters, D. C. See Pollet, D. E. Penke, Botond See Török, Angela
Penn, G. See Jones, R. G.
Penn, G. M. See Jones, R. G.
Pennington, C.; Cotter, S.; Fabian, K.;
Hilitbran, R.; Jenik, B.; Johnson, J.; Jou, Y.;
Koehler, C.; Lagocki, P.; VanLeeuwen, K.;
Stroupe, Steve; Yost, D., 1046
Penno, G.; Bertoli, S.; Cecere, M.; Nannipieri,
M.; Rizzo, L.; Navalesi, R.; Giampietro, O.,
1069; See Gregori, G.
Penno, Giuseppe See Giampietro, Ottavio
Pepe, Curt See Khalil, Omar S.; See Khalil,
Omar S. Omar S.

Pepich, Barry V. See Kelly, Tim A.

Pereira, Aparecido B. See Vieira, Jose G.

; Nishida, Sonia K.; Lombardi, Maria T. F. C.;

Vieira, Jose G., 930

; Nishida, Sonia K.; Vieira, Jose G., 1062

Perel, J. M. See Lin, F. C.

; Sorisio, D. Foglia, J. P.; Lin, F. C.;

Narayanan, S., 994

; Phillips, J.; Tobias, H.; Lin, F. C.;

Narayanan, S., 1000

Perez, Maria; Constantine, Rodric; Killian,

Carl. 1051 Perez, Maria; Constantine, Rodric; Killian, Carl, 1051
Perez, R. See Strobel, Susan A.
Perinet, A. See Jones, R. G.; See Jones, R. G.
Periti, Maurizio See Salvaggio, Antonino
Perkins, Sherry L.; Livesey, John F.; Escares,
Eduardo A.; Belcher, Judy M.; Dudley, Denis
K., 1989
Perna, F. See Pane, F.
Pernot, P. See Thijssen, J. H. H.
Perry, Tenly See Kopten, Elana; See Yu, Li
Persaud, C.; Jackson, A. A., 1660
Person, Nils B. See Eppler, Janice; See Nelson,
Carol Carol Persson, P. See Nystrand, M. Pesce, A. See Schroeder, T. Pesce, A. J. See Stretcher, B. N.; See Stretcher, RN Pesce, Amadeo See Dameron, Greg; See Leonard, Lorraine

Pesce, Amadeo J., 1103

Pesce, Michael A.; MacCollin, Mia; Bodourian, Selma H., 914
Peterman, Jeff See Blackburn, Gary F.
Peters, C. See Daggett, S. G.
Petersen, Detlev; Schumann, Gerhard; Petersen, Detlev; Schumann, Gerhard;
Oellerich, Michael; Demertzis, Stefan, 1004;
See Schumann, Gerhard
Petersen, J. See Narang, Rama
Petersen, J. R. See Pearson, S. D.
Petersen, John See Khan, Shaista
Petersen, Per Hyltoft See Westgard, James O.
Peterson, C. Jeanne See French, Carol A.
Peterson, Jim; Oesterling, Tom; Tewari,
Prakash; Larsen, Fred, 1051
Peterson, T. See Lizer, Della; See Lum, SiewKam; See Ramsey, Maria
Peterson, Terl See Daniels, Jennifer A.
Petrarulo, Michele; Marangella, Martino;
Biauco, Ornella; Linari, Franco, 90
Petrelli, N. See Bhargava, A.
Petrini, C. See MacNamara, E. M.
Petruzelka, Jitka See Chan, Siu C. Petrini, C. See MacNamara, E. M.
Petruzelka, Jitka See Chan, Siu C.
Pettersson, Kim; Ding, Ying-Qing;
Huhtaniemi, Ilpo, 1745; See Lilja, Hans
Pettersson, Kim S. I.; Söderholm, Juanita
R. M., 333
Petty, Marie See Cefalu, William T. Peuchant, E. See Carbonneau, M. A. Pezzoli, P. See Ferre, F. Pham, Quynhchi; Rifai, Nader; Soldin, Steven Phalm, edynnen; Kital, Nater; Soldin, Steven J., 924 Phelps, B. See Coleman, C. Phelps, C.; Jawad, M. J., 1021 Phillips, J. See Perel, J. M. Phillips, J. C.; Chapman, J. F.; Levtzow, C. B.,

Pholcharoen, Trithar See Leohirun, Lakana Pianaito, Frederick S. See Jacob, Robert A. Pichler, Max See Vorderwinkler, Karl-P.

Pickering, Thomas G., 1831 Pietre, K. See Cheung, Man-Kam Pierre, Y. See Della Puca, R. Pierson-Perry, James F.; Janes, Christopher J.; Obzansky, David M.; Kraft, B. Volker; Lodato, Denise T., 1007 —; Crouse, Steven P.; Sistek, Colleen G.; Miller, Warren K., 910 Warren K., 910
Pileire, Bernard; Bangou, Jacqueline, 2138
Pilo, Alessandro See Clerico, Aldo
—; Zucchelli, Gian Carlo; Clerico, Aldo; Nicolini,
Andrea; Ferdeghini, Marco, 1040; See
Zucchelli, Gian Carlo
Pincus, Matthew R. See Haskins, Cheryl M.;
See Kantor, Raphe R. S.
Pippenger, C. E., 1099
Piran, Uri See Comeau, Leslie; See LeoMensah, Anthony; See Schubert, Laura
Pittaway, D. See King, Carol
Pittman, David L. See Bertholf, Roger L.
Pitzus, E. See Martens-Düring, B.
Piwernetz, Klaus See Jarausch, Jochen Piwernetz, Klaus See Jarausch, Jochen Pizzo, Carol K. See Christenson, Robert H.; Pizzo, Carol K. See Christenson, Robert H.; See Christenson, Robert H. Place, Linda See Harrington, Charles A. Platoff, Gennady E.; Hill, David W.; Duh, Show-Hong; Koch, Thomas R., 1004 Plaut, J. K.; Austin, Lynn, 961 Plavšić, V.; Rogić, D.; Dumić, M.; Ille, J.; Brkljačić, Lj.; Latin, V.; Bodlaender, Peter, 2194
Pleban, P. A. See Haque, D. H.
—; Yu, H. T.; Rohn, R., 984
Plebani, Mario; Di Mario, Francesco;
Germanà, Bastianello; Vianello, Fabio;
Dotto, Paola; Naccarato, Remo; Burlina, Dotto, Paola; Naccarato, Remo; Burlina, Angelo, 1658

Plummer, George M. See Neelkantan, Neel V.

Podell, S. See Dubensky, T. W.

Podkowik, Berndt-Ingo; Repka, Mark L.;

Smith, Michael L., 1305 Kippenberger, Donald J.; Smith, Michael L., 1307 Podlasek, Stanley J. See Agarwal, Raghunath P.; See Zepeda, Hector Poels, Lambert G. See Kruitwagen, Roy F. P. Poklis, Alphonse See Brown, Sue Poklis, Alphonse See Brown, Sue Polaniec, J. C.; Shamberger, R. J., 973 Pollak, Alfred See Templeton, Eva F. Gudgin Pollet, D. E.; Saman, E. L.; Peeters, D. C.; Warmenbol, H. M.; Heyndrickx, L. M.; Wouters, C. J.; Beelaert, G.; van der Groen, G.; Van Heuverswyn, H., 1700 Pollet, Dirk E.; DeLeys, Robert; Maertens, Geert; Van Geel, Anja; Smets, Hilde; Peeters, Danielle; Van den broecke, An; Warmenbol, Hilde; Van Heuverswyn, Hugo, 1024 Warmenbol, Hilde; Yan Heuverswyn, Hugo, 1024
Poloce, F. See Martens-Düring, B.
Pomato, N. See Taddei-Peters, W. C.
Ponjee, Gabriëlle A. E.; Vader, Huib L.; de Wild, Piet J.; Janssen, Ger W. T.; van der Graaf, Fedde, 1235
Pontsler, A. V. See Dubensky, T. W.
Poon, Man-Chiu See Wong, Shiu C.
Poon, R.; Hinberg, L., 927
Poppe, W. A. See Klein, G.
Porquet, Dominique See Chevenne, Didier Porter, Sharon E. See Silva, David P., Jr.
Post, G. See Bottjen, P.
Postaire, M. See Sadeg, N.
Pothier, L. See Bhargava, A.
Pothier, Mary Ellen See Puopolo, Patricia R.
Pou, Leonor See Garcia, Ana M.
Poulose, Abraham K. See Bernert, John T., Jr.
Poulsen, Fritz See Bucher, Ditlef
Poupon, Raoul See Vaubourdolle, Michel
Powell, D. See Saber, Anne; See Worthington, Lorne 1024 Powell, Diane; Worthington, L.; Haden, B.; Whitlow, K.; Tam, E.; Campbell, D., 975 Powell, Mary See Henderson, L. Omar Powell, Michael J. See Blackburn, Gary F. Powell, Michael J. See Blackburn, Gary F. Powell, Mike See Kenten, John H. Power, Michael J.; O'Dwyer, Bernadette; Breen, Eugene; Fottrell, Patrick F., 281 Powers, D. M. See Lasky, F. D.; See O'Grady, M. V.; See Weber, T. A. Powers, Donald M. See Leerink, C. Bas Powers, M. R. See Romeo, R. Prabhakaran, V. See Gault, M. H. Prabhakaran, Victor See Vasdev, Sudesh Pradhan, Dinkar S. See Inamdar, Kalpana V. Pradhan, S. See Lin, F. C. Prasad, K. See Kalra, J.; See Shuaib, A. Prasad, M. See Kalra, J.; See Shuaib, A. Prasad, Rajani See Rej, Robert

Pratt, L. See Danielson, Susan J.; See Mauck, L. Predescu, Rodica; Jambor, Louis G.; Grove, Thomas H., 1009
Preese, Lynne M. See Apple, Fred S.; See Bilodeau, Laura L. Premel-Cabic, A. See Turcant, A. Price, Alun; Attwood, Stephen E. A.; Grant, John B. F.; Gray, Trevour A.; Moore, Kenneth T. H., 359
Price, C. P. See Deleo, D. T.; See Thakkar, H. Price, D. See Loner, J. Price, C. P. See Deleo, D. T.; See Thakkar, H. Price, D. See Loper, J. Price, G. See Skogen, W. Price, Theresa; Beatty, Barbara G.; Beatty, J. David; McNally, Alan J., 51
Price, William H. See Wenham, Philip R.; See Wenham, Philip R.
Primi, Daniele See Mantero, Giovanni
Price, Joseph Prine, Joan F., 968 Prinsen, Johanna; Head, T.; Hanbery, J.; Trundle, D., 1033

Prior, Thomas W., 903

—; Papp, Audrey C.; Snyder, Pamela J.; Mendell, Jerry R., 1058 Proctor, A. S. See Altman, R. E.; See Altman, R. E. Provuncher, G. See Kilroy, J. Pruden, D. J. See Gossett, K. A. Prud'homme, Ph. See Cuilliere, M. I. Prud'homme, Ph. See Cuilliere, M. L.
Przybylski, Peter S. See Chan, Siu C.
Puaud, A. C. See Sachs, Ch.
Pudek, Morris R.; Schreiber, William E.;
Jamani, Azim, 826

—; Maciejewska, Urszula, 1135
Pujia, Arturo See Colonna, Alfredo
Pundir, Chandra S.; Kuchhal, Naresh K., 914
Puopolo, Patricia R.; Pothier, Mary Ellen;
Volpicelli, Sheila A.; Flood, James G., 701

—; Flood, James G., 1304

—; Volpicelli, Sheila A.; Johnson, Donna
MacKeen; Flood, James G., 2124
Purchase, L. See Gault, M. H.
Pursel, D. R. See Arnold, L. L.
Puschendorf, B. See Lammers, Manfred
Puschendorf, Bernd See Mair, Johannes; See
Vorderwinkler, Karl-P. T. P., 983

—; Hoag, K. J.; Schneider, V. R.; Eckdahl, S. J.;
Moyer, T. P., 985
Rabier, D. See Kamoun, P.
Rabin, B. R. See Obzansky, D. M.
Rabouine, Ph. See Sachs, Ch.
Rach, Sue See Rosecrans, Robert
Raghavan, Keddy G. See Inamdar, Kalpana V.
Raghunathun, Trivellore See Bankson,
Dmirel Daniel
Raines, Dale A. See El-Yazigi, Adnan; See
El-Yazigi, Adnan
Raistrick, Duncan See Wolff, Kim; See Wolff,
Kim; See Wolff, Kim
Raisys, Vidmantas A. See Clark, Gregory D.;
See Melchior, Ann
Ramakrishnan, K. See Branson, J.
—; Sackrison, J.; Todtleben, J., 1027
Ramanujam, V. M. Sadagopa See Alcock,
Nancy W. Ramanujam, V. M. Sadagopa See Alcock, Nancy W. Ramey, Karen; Lee, K.; Patel, V.; Selvaggio, A.; Jorkasky, D., 983 Ramp, Sally K. See Baker, Harold N. Ramsey, M. See Lizer, Della Ramsey, Maria; Baca, L.; Harri, M.; Hill, M.; Lizer, D.; Peterson, T.; Sarosi, E.; Theobald, P. E., 997 Rah, Renate See Jarausch, Jochen Ransom, J. H. See Butman, B. T. Ransom, J. H. See Taddei, Paters, W. C. Ransom, J. See Schmetter, B.
Ransom, J. H. See Taddei-Peters, W. C.
Rao, J. See Narang, Rama
Rao, Parinam; Wilson, David; Weinstein,
Gerald; Tyras, Denis, 1067
Rao, Sreenivas See Hill, Craig
Rasi, Simo See Vuori, Juhani
Ratcliffe, John G. See Ratcliffe, Wendy A.; See
Ratcliffe, Wendy A.; Norbury, Sarah; Heath,
David A.; Ratcliffe, John G., 678

—; Norbury, Sarah; Stott, Richard A.; Heath, David A.; Ratcliffe, John G., 1781 Ratnaike, S. See Deam, D. Ravkilde, J. See Gerhardt, W. Rawlings, Valorie See Parker, K. Michael; See Parker, K. Michael

Ray, John E.; Crisan, Domnita; Howrie, Denise

Ray, John E.; Crisan, Dominia, 1202-12, 12, 94
Raymond, A. See Rushkowski, Janet
Raymond, Anner Evans, I.; Bowen, T.; Head,
T.; Bradley, H.; Trundle, D.; Longhurst,
Sharon, 939
—; Evans, I.; Bowen, T.; Trundle, S.; Benham,
M.; Trundle, D., 963
Reason, Craig H.; Sarber, R.; DeLuca, L.;
Ukena, T.; McDaniel, R.; Gilbertson, J., 925
—; Sarber, R.; DeLuca, L.; Ollington, F.; Jaager,
K. 942

n., 942 —; Sarber, R.; DeLuca, L.; Samuels, J., 912 Rebourcet, Regis See Alsayed, Naji Recknor, Michael See Kronick, Mel N. Reddy, M. Narahari See Gasper, Paul D.; See Zirbes, Paula M.

Redondo, Francisco L. See Campos. Reed, P.; Holbrook, I. B.; Gardner, M. L. G.;

McMurray, J. R., 285 Rees, Anthony See Kenten, John H. Regan, J.; Mahmood, N.; Alvarez, W.; Gamble, J.; Sissors, D.; Knez, R.; Delgado, J.; Rugg, J., 936

Reh, Eckhard See Jarausch, Jochen

J., 936
Reh, Eckhard See Jarausch, Jochen
Reiber, Hansotto; Lange, Peter, 1153
Reibnegger, Gilbert; Spira, Thomas J.; Fuchs,
Dierich, Manfred P.; Wachter, Helmut, 351
Reichstein, E.; Yachera, E.; Holt, R.; Olson, D.;
Becker, D., 1028
—; Farmer, M.; Eden, P.; Becker, D., 1028; See
Datta, P.
Reilley, Therese; Fields, S.; Kaufman, R. A.;
Gordon, K., 915
Reilly, Andrew A. See Parsons, Patrick J.
Reilly, D. See Duffy, M. J.
Reinhardt, Bruce See McCusker, Larry
Reinsberg, J. See Davies, C. J.
Rej, Robert; Drake, Patricia, 1044
—; Prasad, Rajani, 131
Remsburg, J. See Vasiliades, John
Renkes, Pascal See Felden, Franck
Repka, Mark L. See Podkowik, Berndt-Ingo
Resau, J. H. See Chao, F.-F.
Resnick, Martin I. See Grover, Phulwinder K.;
See Grover, Phulwinder, K.; See Vafa,
Ahmad Z.

Ahmad Z. Reyes, Ana F. See McBride, James H.

Reyes, Ana F. See McBride, James H. Rhoads, David G., 1528 Ribera, Marisa See Jaqueti, Jerónimo Rice, Eugene W., 1797 Rice, S. M. See Dubensky, T. W. Richardson, Julie See Lambotte, Paul Richens, A. See Wilson, J. F. Richerson, Russell B. See Bodner, John B. Riches, P. G. See Sheldon, Joanna Riches, Pamela G. See Knapp, Martyn L. Richter, J. See Verdon, C. P. Rickard, Robert C. See Altmiller, Dale H. Rickman, William J., 1101 Rifai, N. See Chao, F.-F.; See Gallagher, J. V. Rifai, Nader See Bankson, Daniel —; 1998; See Pham, Quynhchi Rigal, Odile See Chevnne, Didier

Aria, Nater See Bankson, Damer

;, 1098; See Pham, Quynhchi
Rigal, Odile See Chevenne, Didier
Rijksen, G. See Geven, W. B.
Rinne, S. See Coty, W.
Riochet, D. See Cuilliere, M. L.
Riordan, Bill See Schubert, Laura
Ripley, D. See Ferre, F.
Ripoll, Eduardo See Arribas, Ignacio
Risteli, Juha See Vainionpää, Leena
Risteli, Leila See Vainionpää, Leena
Risteli, Leila See Vainionpää, Leena
Risteli, Eella See Vainionpää, Leena
Risteli, Ch. See Sachs, Ch.
Ritter, M. M. See Kempter, B.
Ritter, Ch. See Scho, Ch.
Ritze, V. See Chimera, J. A.
Rizzo, L. See Gregori, G. See Penno, G.
Roach, Barbara M. See Vladutiu, Adrian O.
Robbins, D. See Alcalde, X.
Robbins, David; Batdorf, Sue; Moore, Bonnie,
1049

-; Batdorf, Sue; Rynning, Michael; Wright, Ted,

1029
Roberts, Brad See Hartter, Daryl E.
Roberts, L. B.; Felder, Robin A., 301
Roberts, Pamela See Feld, Ronald
-; Feld, Ronald, 966; See Liffmann, Stanley
Robertson, Eugene See Khalil, Omar S.
Robertson, Eugene See Khalil, Mal N. Robertson, James See Kronick, Mel N.

Robeson, B. See Lipke, D. L. Robic, Daniel See Loko, Frédéric Robinson, Aubrey See Pearson, J. Richard Robinson, C. Andrew; Broussard, Elaine E.; Peiper, Stephen C., 1059; See Stabler, Thomas V

-; Ketchum, Catherine H.; Stabler, Tom V., 1012 Robinson, C. Andrew, Jr.; Stabler, Thomas

Robinson, C. Andrew, Jr.; Stabler, Thomas V.; Ketchum, Catherine H., 1038
Roby, P. V. See Chen, C.
Roca, M. See Juan-Pereira, L.
Roche, D.; Migueres, M. L.; Lequang, N. T.;
Burstein, M.; Ekindjian, O. G.; GirardGloba, A., 2111
—; de Luca, H. Susini; Tugendhaft, N., 474
Rochefort H. See Duffy, M. J.
Rodeghiero, F. See Palareti, G.
Rodgers, Gail See Louie, Pamela; See Madej,
Roberta
Rodgerson, Denis See Dodd, Leslie
Rodgerson, Denis See Dodd, Leslie G.; See
McBride, James H.
Rodriquez, L. See McKeon, Kelly
Roesch, Catherine M. See San George,
Richard C.
Roger, H. See Thijssen, J. H. H.

Roger, H. See Thijssen, J. H. H. Rogers, D. See Wheaton, Robert N. Rogers, Dorothy See Ronald, Beverly Rogers, Dorothy See Ronald, Beverly
Rogers, G. See Lua, Ahai, C.
Rogers, L. C.; Smith, F. A.; Jamero, A., 1014
—; Junewick, E.; Smith, F. A., 1014
Roggeman, R. See Butch, A.
Rogić, D. See Plavšić, V.
Rohifing, C. L. See Wiedmeyer, H. M.
Rohn, R. See Pleban, P. A.
Rolland, Rune See Kruitwagen, Roy F. P. M.
Roman, J.; Woo, C.; Hedaya, E.; Branca, C.;
Mattes-Pound, M., 1047
Romay, Cheyla; Armesto, Julio; Pascual,
Carlos, 762

Romeo, R.; Boedeker, M.; Duncan, C.; Powers, M. R., 967

M. R., 967

Ronald, Beverly; Bogema, Stuart C.; Rogers,
Dorothy; Godwin, Ira D., 997

Ronald, Beverly A. See Sopata, Joseph R.
Rosa, Carazon Dela See Madej, Roberta
Rosa, Corazon Dela See Louie, Pamela
Rosalki, S. B.; Foo, A. Y.; Went, J.; Williams,
R.; Baker, D. M., 1137

—; Kuwana, T.; McFarlane, B. M.; McFarlane, I.
G. 539

G., 589

Rosano, Thomas See Brooks, Clayton, III

--; Brooks, Clayton, III; Dybas, Marian, 989

--; Hayes, Lyle; Dybas, Marian; Nazeer, Tipu;
Ross, Jeffrey, 1055

Ross, Jeffrey, 1055
Rosano, Thomas G.; Swift, Thomas A.; Hayes,
Lyle W., 1854
Rosecrans, Robert; Jariwala, Arun; Rach, Sue;
Montero, Jose, 916
Rosenberg, Sheri L. See Jones, Lynn A.
Rosenblatt, D. S. See Nassar, B. A.
Rosenblum, Jerry L., 313
Rosenfeld, Henry; Vogelsberg, Vanessa;
Kaufman, Richard A., 996; See
Zaunczkowski. Denise

Zaunczkowski, Denise Rosenfeld, Louis, 2146 Rosental, Slivia B. See Wikinski, Regina L. W. Rosental, Murray A.; Dearth, Kimberly, A.,

962

Rosenthal, Murray A.; Dearth, Kimberly, A., 962

Dearth, Kimberly A.; Huisman, T. H. J.; Epstein, Nava, 950
Rosenthal, Philip See Bland, Elaine; See Langbaum, Michael
Rosenwals, Z. See Sinosich, M. J.
Rosner, M. See Velletri, K.
Ross, Alec A. See Swinkels, Leon M. J. W.
Ross, Alec A. See Swinkels, Leon M. J. W.
Ross, H. A. See Kienhuis, C. B. M.; See
Swinkels, L. M. J. W.
Ross, Jeffrey See Rosano, Thomas
Ross, M. L. See Bhayana, V.
Rosseneu, Maryvonne See Van Biervliet,
Jean-Pierre
Rostron, Patricia; Higgins, Trefor, 911
Rotenberg, Z.; Harell, D.; Weinberger, I.;
Davidson, E.; Fuchs, J.; Garti, M.; Harell,
M., 116
Roth, J. See Daniel, D.
Rottmann, M. See Bialk, P.
Rousse, Ulla See Bucher, Ditlef
Rouse, S.; Motter, K.; McNally, A.; Steppe, T.;
Ward, C.; Salamone, S. J., 995; See Ward, C.
Rousseaux, J. See Mereau-Richard, C.
Roussel, G. See Goussard, J.
Roxin, L.-E. See Lammers, Manfred
Royal, George C., Jr. See Nandedkar, Arvind
K. N.

Rubiés-Prat, Juan See Sentí, Mariano Rubin, Arnold See Todd, Dennis Rubin, J. E. See Wheston, Robert N. Ruckrigl, D. See Schroeder, T. Ruddel, Mark See Emmerich, Ellen M.; See Emmerich, Ellen M.

Emmerich, Eilen M.
Ruetten, S. See Bell, D.
Rugg, J. See Regan, J.
Ruggeri, M. See Palareti, G.
Ruglass, J. A. See Bussian, R. W.
Ruilal, Alvaro See Balbín, Milagros; See

Ruibal, Alvaro See Balbin, Milagros; See Collazos, Julio Rumley, A. See Kilpatrick, Eric S. Rundell, Clark See Happe, Tom —; Sansoucy, Patricia; Luck, Alison, 982 Rupchock, Patricia See Shoemaker, B. Rushkowski, Janet; Cole, R.; Raymond, A.; Trundle, D.; Hale, W. A., 1071 Russell, Mary E. See Christenson, Robert H. Russell, P. M.; Bermes, E. W., Jr.; Holmes, E. W. 1085

Russell, P. M.; Bermes, E. W., Jr.; Holmes, E. W., 1089
Russo, Giovanna See Castaldo, Anna Maria Rust, Stephan See Moth. Corradino Rusterholz, B. See Seiler, K. Ruth, J. See Emson, P. C. Ruth, J. L. See Dubensky, T. W. Ryall, Rosemary L. See Doyle, Ian R. Ryder, Kenneth W.; Glick, Melvin R.; Clemans, Judith W., 964; See Glick, Melvin R.

—; Trundle, Diana S.; Bode, Melissa A.; Cole, Richard E.; Moorehead, Wells R.; Glick, Melvin R., 1134
Rynning, Michael See Robbins, David

Meivin K., 1134 Rynning, Michael See Robbins, David Ryttman, A.; Holmlund, E., 1064 Sánchez, Luis M. See Balbín, Milagros Söderholm, Juanita R.-M. See Pettersson, Kim S. I.

Saïle, R.; Kandoussi, A.; Deveaux, M.; Descamps, J.; Hachulla, E.; Cachera, C.,

Sabater, J. See Gouzalez-Revalderia, J. Saber, A. See Wagner, Joseph D. Saber, Anne; Nobbs, C.; Powell, D.; Williams,

M., 958
Sacchetti, L. See Pane, F.
Sacchetti, Lucia See Castaldo, Giuseppe
Sachs, Barbara See Sachs, Edward
Sachs, Ch.; Rabouine, Ph.; Kindermans, C.;

Sachs, Ch.; Raboune, Ph.; Kindermans, C.; Déchaux, M., 947 —; Ritter, Ch.; Puaud, A. C.; Ghahramani, M.; Kindermans, C.; Marsoner, H., 945 Sachs, Charles See Chevenne, Didier Sachs, Edward; Sachs, Barbara; Bernstein,

Sachs, Edward; Sachs, Barbara; Bernstein, Larry H., 968
Sackrison, J. See Ramakrishnan, K.
Sadeg, N.; Huy, C. Pham; Postaire, M.; Claude, J. R.; Hamon, M., 291
Saewert, Dorothy See Lambotte, Paul Saggese, Giuseppe; Baroncelli, Giampiero Igli; Bertelloni, Silvano, 1999

Sertelioni, Silvano, 1999 Saiki, Randall K., 610 Saini, M. See Kozuch, S. A. Saito, T. See Ashihara, Yoshihiro Saito, Y. See Ikegami, T.; See Sekiya, K.; See Tanii A.

Saito, T. See Ashihara, Yoshihiro
Saito, Y. See Ikegami, T.; See Sekiya, K.; See
Tsuji, A.
Saitoh, Shizuko See Yoshioka, Shigetake
Sakabe, Masahiro See Fukui, Hideo
Sakagishi, Yoshikastu See Irino, Tsutomu
Sakamoto, Hisashi See Hyodo, Hiroshi
Sakamoto, Kouji See Uji, Yoshinori
Sakaguchi, Takafumi See Kobayashi, Kunio
Sakurabayashi, Ikunosuke See Kubotsu,
Kazuhisa
Sakurabayashi, Ikunosuke See Kubotsu,
Kazuhisa
Sakurabayashi, Y. See Ashihara, Yoshihiro
Sala, M. See Goussard, J.
Salami, Christopher; Akpalaba, Charles;
Oraedu, Anthony, 1066
Salamone, S. J. See Arabshahi, L.; See Bates,
M.; See Blake-Courtney, J.; See BrandleO'Connor, J.; See Casaretto, M. E.; See
Hernandez, Marta R.; See McNally, A. J.;
See Rouse, S.; See Siemon, Peggy; See
Hernandez, Marta R.; See McNally, A. J.;
See Rouse, S.; See Siemon, Peggy; See
Twarowska, B.; See Ward, C.
Saldana, S. See Dasgupta, A.mitaya
Saldana, S. See Dasgupta, A.mitaya
Salhaney, J. See Fagan, G.
Salinas, Rosallia; Mercer, W., 1045
Salter, Julia See Zytkovicz, T. H.
Saluto, M. See Cohen, J.
Salvaggio, Antonino; Periti, Maurizio; Miano,
Lino; Tavanelli, Monica; Marzorati, Daniela,
720
Salvatore, F. See Pane, F.

Salvatore, F. See Pane, F. Salvatore, Francesco See Castaldo, Giuseppe

Salyers, Marshall See Wang, Chi-Chin Samama, M. See Bruhn, H. D. Saman, E. L. See Pollet, D. E. Sample, B. See Dean, R. A. Sample, R. H. Barry See Finkle, Bryan S. Sampson, Carol Ann See Vasdey, Sudesh Sampson, Eric J. See Bernert, John T., Jr. Samuels, J. See Reason, Craig H. San George, Richard C.; Adiletto, Carol A., -; Roesch, Catherine M.; Jensen, Thomas Carl, 910 910
Sanaka, Mayumi See Yoshioka, Shigetake
Sandberg, Denise See Herring, Kathryn
Sanders, C. M.; Hudson, L. K; Kerrigan, V. E.;
Lowe, K. L.; Marvel, G. E.; Stille, D. K.;
Siefring, G. E., Jr., 1011
Sanders, Gerard See Panteghini, Mauro Sanders, Gerard See Panteghini, Mauro Sanderson, Marion See Wolff, Kim Sandkamp, Martin See Heinrich, Jürgen Sansouzzi, A. See Pane, F. Sansouzy, Patricia See Rundell, Clark Santella, R. M. See Vo-Dinh, T. Santilli, Mike See Miller, W. Greg Sanz, Ramón See Manzanares, Cecilia Sanz, Ramon See Manzanares, Cechia Sapin, R.; Gasser, F.; Schlienger, J. L., 115 Sapp, Laura M. See Bertholf, Roger L. Sarber, R. See Reason, Craig H.; See Reason, Craig H.; See Reason, Craig H. Sareen, R. See Manjure, S. S. Sarosi, E. See Lizer, Della; See Lum, Siew-Kam; See Ramsey, Mariels, Jennifer A.
Sarrantonio, C. See Pane, F.
Sasaki, Hideaki See Mikami, Yasuyo; See

Yosinoya, Sadayoshi Sasmor, Henri See Caruthers, M. H. Sass, J. See Becker, Janice Sass, J. See Becker, Janice Sassa, Hiromi See Usui, Akihiko Sato, K. See Moore, C. M. Sato, Y. See Ikegami, T.; See Sekiya, K.; See

Sato, Y. See Ikegami, T.; See Sekiya, K.; See Tsuji, A.
Satoh, Shigeru See Ogawa, Zensuke
Saudek, Christopher D., 901
Sauder, K. See Dati, F.
—; Dati, F.; Brede, H. D.; Buck, Th.; Gürtler, L.
G.; Koerner, K.; Thorstensson, R., 1045
Saul, R. See Cohen, J.; See Fagan, G.
Saunders, Alex M., 1531
Saunders, D. M. See Sinosich, M. J.
Savant, N. S. See Manjure, S. S.
Savjani, G. See Narang, Rama
Sawaki, Y. See Niimi, A.
Sax, Sylvan M. See Moore, John J.; See Moore,
John J.
Scalice, Ed See Sullivan, Mark A.

John J.

Scalice, Ed See Sullivan, Mark A.

Scalice, Edward R.; Hinchman, Carolyn R.;
O'Grady, John; Hosimer, Philip C.; Daiss,
John L., 916

Schönau, E.; Singer, H.; Jäger, W.; Dötterl, W.;
Wildt, L., 2018

Schütz, Hans Werner See Martz, Walter
Schaefer, Ernst J. See Li, Zhengling, See
McNamara, Judith R.
Schaeve, Marcia D. See Hassemer, David J.
Schafer, S. See McKeon, Kelly
Schahbazfar, A.; Kropf, J.; Gressner, A. M.,
1027

Schall, Roy See Duffy, Thomas Schall, Roy F., Jr. See Thiers, Ralph E. Scharp, Charles F., Jr. See Endres, David B. Schebye, Ove See Bucher, Ditlef Scherrmann, Jean-Michel See Guédeney,

Schiele, Francoise See Lehmann, Paul Schifferdecker, Karen See Nichols, James H. Schiele, Francoise See Lehmann, Paul Schifferdecker, Karen See Nichols, James H. Schiller, Harvey S. See Gosney, Kimiko Schimbor, C. M. See Buffone, G. J. Schindele, Deborah C. See Kelly, Tim A. Schlebusch, Harald; Wagner, Klaudia; Röhle, Gerhard; Geilenkeuser, Wolf-Jochen, 958—; Grünn, Ursula; Liappis, Nicolas, 987
Schlenker, Thomas L. See Linke, E. George Schlienger, J. L. See Sapin, R. Schmetter, B.; Jones, G.; Venetta, T.; Ransom, J.; Butman, B., 923
Schmidt, A. See Eleiott, C. Schmidt, Charles F.; Griffin, Marga L.; Wilson, Joyce I.; Segrest, Jere P., 923
Schmitt, York See Schneider, Hans—; Schneider, Hans, 927
Schmitz, John See Elin, Ronald J. Schneider, Hans See Schmitt, York, 921
Schneider, J. See Wiedmeyer, H. M. Schneider, M. C.; Heath, V.; Ziegler, S.; Crews, V.; Vallejo, R., 1036

V.; Vallejo, R., 1036

Schneider, V. R. See Raasch, R. J.: See Raasch,

Schneyer, Alan L.; Sluss, Patrick M.; Whitcomb, Randall W.; Hall, Janet E.; Crowley, William F., Jr.; Freeman, Ruth G.,

Schnorr, G. K. See Skrzipczyk, Heinz Jürgen Schochetman, Gerald, 894 Schoemaker, J. See Vermes, I. Scholz, H. See Coty, W. Schoors, Danny F. See Gerlo, Erik A. M. Schoos, R.; Dodinval-Versie, J.; Verloes, A.; Lambotte, C.; Koulischer, L., 821

Lambotte, C.; Koulischer, L., 821
Schröder, S. See Coty, W.
Schramm, W.; Smith, R. H., 114
Schreiber, William E. See Pudek, Morris R.
Schreier, Laura E. See Wikinski, Regina L. W.
Schreier, T.; Vine, W.; Ruckrigl, D.; Pesce, A.;
Bhat, G.; First, R., 990
Schroeder, Timothy See Leonard, Lorraine
Schryver, Pat See Hage, David S.
Schubert, Laura; Piran, Uri; Morello, Ann;
Riordan, Bill; Silbert, Deb; Hudson, Ted,
941

941

941
Schubert, S. See Yamagata, Susan K.
Schubert, W. See Ling, E.
Schulkamp, K. See Siefring, G. E., Jr.; See
Siefring, G. E., Jr.
Schulte, Helmut See Heinrich, Jürgen
Schulte, Jaqueline See Neto, Eurico Camargo
Schultheis, S. See O'Donnell, C. M.
Schumann, Gerhard; Kunze, Kerstin;
Oellerich, Michael; Petersen, Detley; Hoyer,
Deter: Eller Cuide Offiner Giesle, 908: See

Peter; Filler, Guido; Offner, Gisela, 998; See Petersen, Detlev Schwartz, Donald See Liffmann, Stanley

Schwartz, Donald See Liffmann, Stanley Schwartz, Karen See Jakobi, Peter Schwartz, M. K. See Fleisher, Martin Schwartz, Morton K. See Bhalla, Ravi B.; See Bhalla, Ravi B.; See Menendez-Botet, Celia J.; See Smith, Carol Schwartz, P. See Walker, R. P. Schwarz, K. See Hasselberg, S. Schwarzberg, M. See Dayal, S.; See Della Puca,

Schweitzer, J. K. See Witte, D. L. Schweitzer, J. K. See Witte, D. L. Schwemen, D. See Candel, Antimo G. Schwenzer, K. See Sulewski, M. Schydlower, M. See Enriquez, John I., Jr. Scott, C. Ronald See Chen, Shi-Han Scott, Johnny W. See Ketchum, Catherine H.; See Stabler, Thomas V. Scott, M. G. See Fuller, K. A.; See Haller, B. L.; See Hopson, D. K.; See McClellan, A. C. Sortt Milde See Ardesson Coeffens See

Scott, Milda See Anderson, Geoffrey; See Anderson, Geoffry Scott, Mitchell G. See Daoud, Emad; See

Scott, Mitchell G. See Daoud, Emad; See Fuller, Kathleen A. Scragg, Robert See Baker, John Seago, James L. See Thompson, John C. Sealey, Jean E., 1811; See Laragh, John H. Seed, Casandra B. See Forman, Donald T. Segawa, Mari See Ueshiba, Hajime Segel, George B. See French, Carol A. Seegers, Martin F. G. See Kruitwagen, Roy F. P. M.

egrest, Jere P. See Schmidt, Charles F Seig. Manuela See Cremonesi, Laura; See Cremonesi, Laura Seiler, K.; Wang, K.; Bakker, E.; Morf, W. E.; Rusterholz, B.; Spichiger, U. E.; Simon, W.,

1350

Sekiguchi, Kiyotoshi See Katayama, Masahiko Sekine, Isao See Yoshioka, Shigetake Sekine, Isao See Yoshioka, Shigetake
Sekine, Takamitsu See Hirano, Tetsuo
Sekiya, K. See Ikegami, T.

—; Ikegami, T.; Yamamoto, M.; Sato, Y.; Saito,
Y., 1049; See Tsuji, A.
Selby, C. See Davies, C. J.
Sellers, Donald R.; Kline, Erica; Ludke, Laura;
Harris, Barbara; Keller, Chuck, 939
Selvaggio, A. See Ramey, Karen
Senti, Mariano; Pedro-Botet, Juan; Nogués,
Xavier; Ribiés-Prat, Juan 1396.

Senti, Mariano; Pedro-Botet, Juan; N Xavier; Rubiés-Prat, Juan, 1394 Senyei, Andrew See Jones, Lynn A. Sepaniak, M. J. See Vo-Dinh, T. Seppälä, Pentti See Nuutila, Pirjo Serree, J. M. P. See Zhao, S. P. Sess, D. See Carbonneau, M. A. Seth, J. See Thijssen, J. H. H. Severino, D. M. See Obzansky, D. M. Sewell, Adrian C.; Böhles, Hans-Josef, 1301 Seymour, D. See Becker, Janice; See Bui, Janet

Tuyet-Dong Sgoutas, Demetrios See Love, Annie -; Hammarstrom, Margareta; Tuten, Thomas,

Shackelford, W. H.; Colenbrander, C.; Naden, N.; Vallejo, R., 1024 Shah, Arti See Blackburn, Gary F. Shah, Haresh P. See Blackburn, Gary F.

Shaha, Haresh P. See Blackburn, Gary F.
Shahangian, Shahram; Agee, Kimberlee A.;
Dickinson, Randolph P., 1033

—; Fritsche, Herbert A.; Hughes, John I., 651

—; Fritsche, Herbert A.; Hughes, John I.;
Foemmel, Richard S.; Katopodis, Nonda,

Shaikh, I. M. See Hess, P. Patrick, Jr. Shalwitz, Robert A.; Gingerich, Ronald L.; McGill, Janet B.; McDonald, Jay M., 293 Shamberger, R. J.; Duktig, K.; Burrows, K.; Murtagh, J.; Mostert, M., 969; See Polaniec, J.

Shankaran, P.; Khosravi, M. J., 1047; See

Shankaran, P.; Khosravi, M. J., 1047; See Soltes, Shannon, Gail See Crisp, David Shapiro, D.; Toth, A., 974 Sharkey, Scott W. See Hyde, John E. Shaunak, Santosh See Skogerboe, Kristen J. Shaw, J. See Eleiott, C.

Shaw, J. See Eleiott, C.
Shaw, Leslie M.; Edling-Owens, Judith;
Mattes, Richard, 2062.
Shaw, N. See Hutton, J.; See King, Carol
Shaw, S. T., Jr. See Harris, Eugene K.; See
Hussain, Shaik
Sheat, J. Merle; Peach, Robert J.; George,
Determ 1991

Sheat, J. Merle; Peach, Robert J.; George, Peter M., 1221 Sheehan, Michael; Caron, Geoff, 1012 Sheehay, Raymond See Houck, Catherine M. Sheldon, Joanna; Riches, P. G.; Soni, N.; Jurges, E.; Gore, M.; Dadian, G.; Hobbs, J. R., 2038 Shellum, C. L.; Klee, G. G., 1038 Shepherd, G. See Bell, D. Shepherd, H. See Topliff, C. Sheppard, H. See Hughes, Julian Shiba, K. See Amano, S. Shihabi, Z., 977 Shihabi, Z., 877 Shihabi, Z. K.; Konen, J. C.; O'Connor, M. L., 621

621
Shimizu, Akira; Ashida, Yoshie; Fujiwara,
Futoshi, 1370
Shimizu, Teruo See Mashige, Fumiko
Shimojo, Nobuo; Fujino, Keizo; Kitahashi,
Shigeru; Nakao, Mitsuru; Naka, Keiichi;
Okuda, Kiyoshi, 1978
Shin, Sadahito See Tachikawa, Tetsuya

Shin, Sadahito See Iachikawa, Tetsuya Shinmei, M. See Yamaji, T. Shinoki, Hiroshi See Ashihara, Yoshihiro; See Hiraoka, Toshikage Shinzaki, Akihiro See Nagata, Kazuhiko Shipe, James R., Jr. See Herold, David A. Shiraishi, Takanari See Uji, Yoshinori Shirakata, Takaharu; Ichikawa, Masayuki; Suciyama Noriko 1062

Shirakata, Takaharu; Ichikawa, Masayuki; Sugiyama, Noriko, 1062 Shirane, H. See Ashihara, Yoshihiro Shirey, T. See Altura, B. T. Shirokane, Yoshio; Nakajima, Moto-o; Mizusawa, Kiyoshi, 478 Shoemaker, B.; Adamovich, Jody; Joseph, Ernest; Rupchock, Patricia; Yoder, John; Acrey, Charlotte, 1043 Shouzu, Akira See Ukita, Chizuko Shuaib, A.; Prasad, M.; Mantha, S. V.; Kalra, J.,

926
Shuler, S. E. See Witherspoon, L. R.
Shulok, Joseph; Duncan, Nancy, 974
Shurzinske, L. See Uprichard, A. C. G.
Shutler, Gary G. See Surh, Linda C.
Siefring, G. E., Jr. See Sanders, C. M.
—; Stille, D. K.; Schulkamp, K., 936
—; Hudson, L. K.; Stille, D. K.; Leeder, S. A.;
Schulkamp, K., 1004
Sieg. S. See Sinosich, M. J.

Schulkamp, K., 1004
Sieg, S. See Sinosich, M. J.
Siegel, A. L. See Stabler, T. V.
Siegel, Abraham L. See Stabler, Thomas V.;
See Stabler, Thomas V.
Siekmann, Lothar See Thienpont, Linda
Siemon, P. See Akhabue, Beatrice E.; See
Hernandez, Marta R.; See McNally, A. J.
Siemon, Peggy; Salamone, S. J.; McNally, A. J.,
1006

1006
-; Salamone, S. J.; McNally, A. J., 1011
-; Akhabue, B. E.; Hernandez, M. R.; McNally, A. J.; Salamone, S. J., 1007
Siepel, H. See Zwart, A.
Siest, G. See Vincent-Viry, M.
Siest, Gérard See Angele, Carolyn; See

Guemouri, Lalla Sigillo, Eric; Leece, Barbara; Davis, Gene, 1012 Sigmon, Kristina N. See Christenson, Robert H.

Silbert, Deb See Schubert, Laura Sillanaukee, Pekka See Harmoinen, Aimo Silva, David P., Jr.; Landt, Yvonne; Porter, Sharon E.; Ladenson, Jack H., 1356 Silveira, Elisabeth Lemos See Neto, Eurico Silveira, Elisabeth Lemos See Neto, Eurico Camargo
Silver, H. K. B. See Hutton, J.
Silverman, L. M. See Kopten, Elana; See Yu, Li
Silverman, L. M. See Kopten, Elana; See Yu, Li
Silverman, Lawrence M., 902; See Friedman,
Kenneth J.; See Holden, Kathryn D.; See
Kayser, Janet S.
Silzel, John W. See Palmer, Dennis A.
Simkowaki, K. See Davis, Benjamas
Simm, Brett; Gleeson, Marce, 113
Simmonds, A. C.; Cunningham, M.; Durrant,
I.; Fowler, S. J.; Evans, M. R., 1527
Simmons-Perry, Denise See Hutter, J. A.
Simmons, M. See Bohannon, J.; See Su, Y. T.;
See Wu, Yih Shiong See Wu, Yih Shiong Simomura, Hiroji See Yamamoto, Hiroshi Simonura, Hiroji See Yamamoto, Hiroshi Simon, W. See Seiler, K. Simonaitis, Reda See Leo-Mensah, Anthony Simona, D. M. See Obzansky, D. M. Simpkins, F. See Cole, Richard Simpson, Janice See Hasz, Barbara Sine, H. See Bohannon, J.; See Su, Y. T.; See Wu, Yih Shiong Singer, Frederick R. See Endres, David B. Singer, H. See Schönau, E. Singh, J.; Dudley, Alden W., Jr; Lucco, L., 1025 Singh, Japat; Kulig, K., 930
Singh, Jasbir See Eckfeldt, John H. Sinn, Judith A. See Faulknier, Serah M. Sinosich, M. J.; Sieg, S.; Zakher, A.; Ling, N.; Saunders, D. M.; Rosenwaks, Z.; Hodgen G. D., 40 D., 40 Sion, Jean-Paul See Laureys, Muriël
Siperas, J. See Natoli, E.
Sisoler, B. See Walters, W. F.
Sissors, D. See Regan, J.
Sistek, Colleen G. See Pierson-Perry, James F.
Sivakoff, Sheldon I. See Wang, Chi-Chin; See
Wang, Chi-Chin
Sjöquist, John See Larsson, Anders
Skingle, L. See Thakkar, H.
Skogen, W.; Osborne, D.; Price, G., 916
Skogerboe, Kristen J.; West, Sheyla F.;
Murillo, Magdalena D.; Glass, Michael W.;
Shaunak, Santosh; Tait, Jonathan F., 454
Skramstad, D. See Bach, P. R.
Skramstad, Dawn See Donner, Joan
Skrzipczyk, Heinz Jürgen; Schnorr, G. K.;
Mayer, A.; Kinkel, T., 1037
Slabbynck, Hans See Laureys, Muriël
Slaby, Richard See Mullins, Marvin; See
Wright, Reba
Sloan, B. J. See Levine, Daniel M.
Shan, State Med. Sion, Jean-Paul See Laureys, Muriël Wright, Reba Sloan, B. J. See Levine, Daniel M. Sluss, Patrick M. See Schneyer, Alan L. Small, M. See Kilpatrick, Eric S. Smals, A. G. H. See Swinkels, L. M. J. W. Smals, Anthony G. H. See Swinkels, Leon M. J. W. J. W. Smardon, Anne M. See Lane, Michael J. Smelt, A. H. M. See Zhao, S. P. Smelt, Augustinus See Zhao, S. P. Smelt, Augustinus See Zhao, Shuiping Smets, Hilde See Pollet, Dirk E. Smidt, Jörn See Mair, Johannes Smith-Cronin, L. See Wu, A. H. B. Smith-Lewis, M. See Mauck, L. Smith, A. F. See Tibi, L. Smith, B. L. See Wilson, J. F. Smith, Carl H. See Heatin, Glen L. See J. See Smith, Carl H. See Hortin, Glen L.; See Hortin, Smith, Carol; Beadnell, Linda; Schwartz, Morton K., 977
Smith, David F.; Cummings, Richard D.;
Cormier, Milton J., 1029
Smith, David H. G. See Weber, Michael A.
Smith, F. A. See Rogers, L. C.; See Rogers, L. C.
Smith, J. See Fricker, R. Smith, J. See Fricker, R.
Smith, Jeffrey A. See Cefalu, William T.
Smith, K. See Wolf, Steve
Smith, Katie See Lambotte, Paul
—; Lauderdale, Vivian, 599
Smith, M. See Williams, L.
Smith, M. L. See Hughes, R.
Smith, Michael See Blick, Kenneth E.; See Smith, Michael See Bick, Kenneth E.; See Levine, Barry Smith, Michael L. See Podkowik, Berndt-Ingo; See Podkowik, Berndt-Ingo Smith, Muriel See Kelly, Margaret Smith, Norman B. See Brooks, Klazina E. —; Brooks, Klazina E., 925 Smith, R. H. See Schramm, W. Smith, S. Jay See Cooper, Gerald R.; See Mueller, Patricia W.

—; Myers, Gary L., 341 Smits, J. See Beumer, T. Smits, J. See Beumer, T.
Smolec, Jo See Wen, Long T.
Snow, K.; Arneson, B. W.; Ball, G. D., 967
Snyder, Pamela J. See Prior, Thomas W.
Sobel, Harry, 1798
Sobeski, L. M. See Haven, M. C. Sobeski, L. M. See Haven, M. C.
Sobeski, Linda See Earl, Robert
Sockol, Craig See Kozwich, Diane
Sohn, L. See Groskopf, W.
Sokal, Etienne See Libert, Raymond
Solano, Nancy V.; Solano, Romeo I.; Jones,
Prentiss, Jr.; Hoover, Rick L., 1016
Solano, Romeo I.; Dart, Bette Gae; Tomec,
Robert; Glick, Melvin R., 965; See Solano,
Nancy V.
Soldin, S. J. See Gallagher, J. V.
Soldin, S. J. See Gallagher, J. V.
Soldin, Steven J. See Hicks, Jocelyn M.
Morales, Antonio J.; D'Angelo, Lawrence J.;
Bogema, Stuart C.; Hicks, Jocelyn M., 993;
See Hicks, M.; See Morales, Antonio J.; See
Pham, Quynhchi
Sollinger, Hans, 902
Soltes, S.; Shankaran, P.; Khosravi, M. J., 1042
Soltes, S.; Shankaran, P.; Khosravi, M. J., 1042 Sollinger, Hans, 902
Soltes, S.; Shankaran, P.; Khosravi, M. J., 1042
Sone, T. See Ashihara, Yoshihiro
Sone, Takahito See Usui, Akihiko
Soni, N. See Sheldon, Joanna
Sonnemaker, R. See Witherspoon, L. R.
Sonntag, Oswald; Weidemann, Gerhard, 2011
Sopata, Joseph R.; Ronald, Beverly A.;
Bogema, Stuart C.; Schriefels, John A.;
Godwin, Ira D., 990
Sonnesse, Kold, 2012 Sorensen, Keld, 2013 Sorei, Franco See Panteghini, Mauro Soriano, T. See Walker, R. P. Sorisio, D. See Lin, F. C.; See Perel, J. M. Soule, Howard R. See Brown, Scott M. Southern, J. See Lewandrowski, Kent Southwell, Frank R. See Wang, Chi-Chin; See Wang, Chi-Chin
Sowell, Anne L.; Kawchak, Deborah A.; Huff,
Daniel L.; Stallings, Virginia A.; Gunter,
Elaine W.; Miller, Dayton T., 988
Spadoro, Joanne; Butcher, Ann; Kinard,
Sharon; Gallo, Dana; Hanson, Carl;
Longiaru, Mathew, 1057
Spanish Study Group on Urianalysis See González-Rivera, M. Sparks, Charles E. See Corsetti, James P. Sparks, Charles E. See Corsetti, James P. Sparks, Jamet D. See Corsetti, James P. Sparks, Katherine M. See Ng, Ronald H.; See Ng, Ronald H.; See Ng, Ronald H.; See Ng, Ronald H. Spencer, Carole A. See Hay, Ian D. Spencer, K. See Davies, C. J. Spencer, Kevin, 809 Spencer, Martha See Voss, Ellen Spencer, Martha See Voss, Ellen
Sperling, M.; Chen, I.; Srivastava, L.;
LaBarbera, A.; Vine, W., 1033
Spichiger, U. E. See Seiler, K.
Spillert, Charles; Lazaro, Eric, 952
Spira, Thomas J. See Reibnegger, Gilbert
Sportsman, J. Richard See Taber, Larry D.
Spryn, L. See Taddei-Peters, W. C.
Spyker, Daniel A. See Friedberg, Richard C.
Srivastava, L. See Sperling, M.
Stabenfeldt, G. H. See Munro, C. J.
Stabler, T. V.; Siegel, A. L., 1987
Stabler, Thomas V. See Ketchum, Catherine
H.; See Robinson, C. Andrew, Jr.
—; Ketchum, Catherine H.; Robinson, C.
Andrew; Scott, Johnny W.; Siegel, Abraham Andrew; Scott, Johnny W.; Siegel, Abraham L., 940 ..., 940 -; Siegel, Abraham L., 1043 Stabler, Tom V. See Robinson, C. Andrew Stafford, R. See Kraght, P. Stalenhoef, Anton F. H. See Dormans, Tom P. J.
Stallings, Virginia A. See Sowell, Anne L.
Standefer, Jim; Blackwell, Walter, 1734; See
Lowry, Sandra
Standefer, Jim C.; Backer, Ronald C., 733
Stark, Judith A. See Henderson, A. Ralph
Statland, Bernard E., 896; See Ng, Ronald H.;
See Ng, Ronald H.; See Ng, Ronald H.
Steenssens, Laurette See Laureys, Muriel
Steffes, Michael W.; Mauer, S. Michael, 1838
Steigstra, Herman; Jansen, Rob T. P.;
Badenbuijsen, Henk, 1196 Baadenhuijsen, Henk, 1196 Stein, Evan A., 893 —; , 1098 Steinbach, G.; Osswald, U.; Maier, V., 590 Steinberg, Karen K. See MacNeil, Mary Louise 1098 Steinbiss, Joachim See Willamowski, Klaus-Dieter

Steindel, Steven J. See Cembrowski, George S. Steiner, Eugen See Walldius, Göran

Steiner, G.; Küllinger, B.; Mayer, G.; Jie, Yu; Leibl, H.; Kovarik, J.; Woloszczuk, W., 403 Steiner, J. P.; Braun, P. J.; Hursting, M. J.; Moore, B. M., 1040 Steppe, T. See Rouse, S. Stern, J. See Walker, R. P. Sternberg, James C. See Chen, Fu-Tai A. Sterry, Judith A. See Corsetti, James P. Stewart, R. See Leek, A. Stewart, R. See Leek, A.
Stibler, Helena, 2029
Stickel, Steven A. See Anderson, Peter H.
Stille, D. K. See Sanders, C. M.; See Siefring, G.
E., Jr.; See Siefring, G. E., Jr.
Stinson, Robert A., 134
Stochl, M. See Fagan, G.
Stock, W. See Grol, M.
Stockert, L. See Galliher, George
Stockmann, Wolfgang See Hubbuch, Arnulf;
See Hubbuch, Arnulf
Stocker, P. See Arabshahi, L.
Steerker, Jay See Stoler Mark Stoerker, Jay See Stoler, Mark Stoffelen, E. See Beumer, T. Stoler, Mark; Stoerker, Jay; Betsill, William L., Stoler, Mark; Stoerker, Jay; Betsill, William L., 2015
Stone, J.; Freier, E., 931
Stone, J.; Freier, E., 931
Stone, M. A. See Miller, James J.
Stone, N. See Clejan, S.
Storogenko, M. See Myara, I.
Stott, Richard A. See Ratcliffe, Wendy A.
Stout, R. W. See Obzansky, D. M.
Strarup-Brynes, Inge See Baker, Harold N.;
See Bodner, John B.
Strasser, B. L. See Ennis, A. K.
Strate, B. See Loper, J.
Streater, Michael See Levison, Peter R.
Stretcher, B. N.; Pesce, A. J.; Murray, J. A.;
Hurtubise, P. E.; Frame, P. T., 992
—; Geisler, B. A.; Pesce, A. J.; Vine, W. H., 1018
Strobel, Günther; Weicker, Helmut, 196
Strobel, J. See McKeon, Kelly; See Strobel,
Susan A.; See Yamagata, Susan K.
Strobel, Susan A.; Conlin, B.; Dunlap, J.; 2015 Susan A.; See Yamagata, Susan K.
Strobel, Susan A.; Conlin, B.; Dunlap, J.;
Dunlap, P.; Flaa, C.; Galindo, G.; Perez, R.;
Strobel, J.; Bray, K., 965
Strother, M. See Yamagata, Susan K.
Stroupe, Steve See Abano, Darla A.; See
Pennington, C.
Struthers, A. D. See Nicoll, G. W.
Struve, G. See Della Puca, R.
Stuart, Sandra See Buttery, Joseph E.
Su, P. See Monji, Nobuo
Su, Y. T. See Bohannon, J.

—; Bohannon, J.; Wu, Y. S.; Simmons, M.; Sine, H., 945 Su, Y. T. See Bohannon, J.

—; Bohannon, J.; Wu, Y. S.; Simmons, M.; Sine,
H., 945
Subbiah, M. T. R. See Arshad, M. A. Q.
—; Arshad, M. A. Q., 929
Subuhi, H. See Arabshahi, L.
Succop, Paul See Koo, Winston W. K.
Sudo, Yukio See Ashihara, Yoshihiro
Sugi, Masahito See Katoh, Hirohisa
Sugiuchi, Hiroyuki See Uji, Yoshinori
Sugiyama, Koji See Yamamoto, Hiroshi
Sugiyama, Noriko See Shirakata, Takaharu
Sulewski, M. See Blake-Courtney, J.
—; Wu, Lynne; Schwenzer, K.; Hui, Raymond A.
H. F., 996
Sulivan, Mark A.; Malone, Jane; Hinchman,
Carolyn; Scalice, Ed; Daiss, John L., 1061
—; Malone, Jane; Loomis, Lorie, 1060
—; Malone, Jane; Loomis, Lorie, 1060
Sumethkul, Vasant See Leohirun, Lakana
Sumi, Y. See Niimi, A.
Sumimoto, Kazuhiro See Horiuchi, Kentaro
Sumdarapandiyan, K. See Datta, P. Sundarapandiyan, K. See Datta, P. Sundarapandyan, K. See Datta, P. Sundoro-Wu, R. See Arabshahi, L.; See Ward, Surh, Linda C.; Shutler, Gary G.; Korneluk, Robert G., 2142
Sutherland, Betsy M.; Gange, Richard W.; Sutherland, Betsy M.; Gange, Richard W.; Sutherland, John C., 604
Sutherland, John C. See Sutherland, Betsy M. Suzuki, Nobuko See Nishizono, Isao Suzuki, Tadao See Nagata, Kazuhiko Svačina, Stěpán See Skrha, Jan Sveger, Tomas See Jeppsson, Jan-Olof Sverlow, Karen See Ayanoglu, Gulesi Swamy, A. See Datta, P. Swanson, Alice See Yen, Carrie Swartz, J.; Alimagno, B. V.; Borer, W. Z., 1017 Sweet, Randy See Breglio, Susan Sweeting, V. M. See Tibi, L. Swift, Thomas A. See Rosano, Thomas G. Swinkels, Dorine W. See Dormans, Tom P. J. Surh, Linda C.; Shutler, Gary G.; Korneluk,

Swinkels, L. M. J. W.; van Hoof, H. J. C.; Ross, H. A.; Smals, A. G. H.; Benraad, Th. J., 180; See Kienhuis, C. B. M.

Swinkels, Leon M. J. W.; van Hoof, Harry J. C.; Smals, Anthony G. H.; Ross, Alec A.; Benraad, Theo J.; Pardridge, William M.,

1461
Swirski, C. See Dempsey, D.
Sylvester, Kim See Duffy, Patrick
Szymanski, Irma See Elfath, Dean
Török, Angela; Penke, Botond, 1769
Taber, Larry D.; O'Brien, Peter; Bowsher,
Ronald R.; Sportsman, J. Richard, 254
Tachikawa, Tetsuya; Yazawa, Shir, Asao,
Takayuki; Shin, Sadahito; Yanaihara,
Nobert, 2081

Tachikawa, Tetsuya; Yazawa, Shn; Asao,
Takayuki; Shn, Sadahito; Yanaihara,
Noboru, 2081
Taddei-Peters, W. C.; Talley, G. D.; Durham,
R. J.; Jones, G.; Pomato, N.; Spryn, L.;
Butman, B. T.; Ransom, J. H., 923
Taddel-Peters, W. C. See Butman, B. T.
Tait, Jonathan F. See Skogerboe, Kristen J.
Tait, Jonathan F. See Skogerboe, Kristen J.
Takala, Timo See Vuori, Juhani
Takano, Susumu See Kubotsu, Kazuhisa
Takada, Naohito See Niwa, Toshimitsu
Takeoka, Keiko; Tamaki, Haruo; Endo, Yuichi;
Amino, Nobuyuki, Miyai, Kiyoshi, 306
Takita, H. See Bhargava, A.
Talaat, Rasmy See Malik, Sohail
Talla, B. J. See Corcoran, K. A.
Talley, David B. See Blackburn, Gary F.
Talley, G. D. See Taddei-Peters, W. C.
Talwalkar, G. V. See Manjure, S. S.
Tam, E. See Powell, Diane
Tamaki, Haruo See Takeoka, Keiko
Tanaka, Akira; Ishii, Hidemi; Hiraishi, Sayuri;
Kazama, Mutsuyoshi; Maezawa, Hidenori,

Kazama, Mutsuyoshi; Maezawa, Hidenori, Tanaka, Hirotoshi; Akama, Hideto; Ichikawa, Yoichi; Homma, Mitsuo; Oshima, Hisaji,

1715

Totelin, Totelin, Indian, Missay, Salima, Hisagi,
Tang, Hua T.; Halsall, H. Brian; Heineman,
William R., 245
Tang, Hua T.; Halsall, H. Brian; Heineman,
William R., 245
Tanghal, E. See King, Carol
Tanigami, Junko See Tozuka, Minoru
Tanimoto, Tetsuji See Ashihara, Yoshihiro;
See Hiraoka, Toshikage
Taniuchi, Koji See Kobayashi, Kunio
Tarenghi, G. See d'Eril, Gian/Vico Melzi
Tarenghi, G. See d'Eril, Gian/Vico Melzi
Tarenghi, Giordano See Brustolin, Domenico
Tasker, A. M. See Kramer, S.
Tatematsu, Akira See Niwa, Toshimitsu
Tavanelli, Monica See Salvaggio, Antonino
Taylor, Andrew; Dickson, Fiona; Dobrota,
Miloslav, 985
Taylor, Bob See Hage, David S.
Taylor, B. See Fricker, R.

Taylor, Bob See Hage, David S.
Taylor, D. See Fricker, R.
Taylor, Lindsay See Duffy, Patrick
Taylor, Murdock See Oberhardt, Bruce J.
Tayne, E. See Padilla, A.
Templeton, Douglas M. See Vaughan,
Margaret-Anne
Templeton, Eva F. Gudgin; Wong, Hector E.;
Evangeliste Remon A. Granger, Thistry:

Templečon, Eva F. Gudgin; Wong, Hector E. Evangelista, Ramon A.; Granger, Thierry; Pollak, Alfred, 1506
Tenenhaus, D. See Myara, I. Teng, N. See Tsay, Y. G. Teppo, Anna-Maija; Metsärinne, Kaj; Fyhrquist, Frej, 1691
Terakawa, Grace See Abdul-Ahad, Wajdi G. Terao, Toshihiko See Horiuchi, Kentaro Tesanovic, Maria See Wong, Shiu C. Tetrault, Gregory A., 447
Tewari, Prakash See Peterson, Jim Thakkar, H.; Davey, C. L.; Medcalf, E. A.; Skingle, L.; Craig, A. R.; Newman, D. J.; Price, C. P., 1248
the TAMI Study Group See Christenson.

the TAMI Study Group See Christenson, Robert H.

Robert H.

Thede-Reynolds, Katherine R.; Johnson,
George F., 1044

Theobald, P. E. See Lizer, Della; See Lum,
Siew-Kam; See Ramsey, Maria

Theobald, Paul See Daniels, Jennifer A.; See

Theobald, Paul See Daniels, Jennifer A.; See Oh, Chan Oh, Chan Theologides, Athanasios See Hyde, John E. Thibert, Roger J. See Catomeris, Peter; See Palmer, Elizabeth J.

Thienpont, Linda; Siekmann, Lothar; Lawson, Alexander; Colinet, Elisabeth; De Leenheer, André, 540

Thiers, Ralph E.; Schall, Roy F., Jr., 953

Thijssen, J. H. H.; Wood, W. G.; Kessler, A. C.; Griesser, H. W.; Bauer, O.; Biegimayer, C.; Eugui, J.; Mirabel, J. L.; Gaessler, H.; Klinga, K.; Koettgen, E.; Mueller, C.; Messeri, G.; Neumeier, D.; Luppa, P.; Roger,

H.; Castagnier, M.; Cervast, G.; Pernot, P.; Seth, J.; Gow, S.; Hanning, J., 1257 Thomas, Chris M. G. See Kruitwagen, Roy F.

Thomas, G. See Hilborn, David A.; See Oenick, Marsha D. Bale

Thompson, John C.; Mazoh, Judith A.; Hochberg, Alan; Tseng, Susan Y.; Seago,

Höchberg, Alan; Tseng, Susan Y.; Seago, James L., 1049
Thompson, S. P. See Hill, P. G.
Thompson, W. See Billing, Janet
Thomson, Robert; Clejan, Sanda, 932
Thorgeirsson, Snorri S., 1095
Thornton, Pamela See Chan, Daniel W.
Thorpe, G. H. G. See Batki, A. D.
Thorstensson, R. See Dati, F.; See Sauder, K.
Thuong, Nguyen, T. See Hélène, Claude
Thurman, Ronald G. See Forman, Donald T.
Thuvasethakul, Phichai See Leohirun,
Lakana

Thuvasethakul, Phichai See Leohirun, Lakana
Thyssen, Hans H. See Bucher, Ditlef
Tiberghien, Christophe See Ezan, Eric
Tibi, L.; Chhabra, S. C.; Sweeting, V. M.;
Winney, R. J.; Smith, A. F., 815
Tikanoja, Sari H. See Wilcox, R. Bruce
Timko, D. M.; Haven, M. C.; Arnold, L. L., 943
Timko, Denise See Earl, Robert
Timmins, P. W.; Earl, R. A.; Coney, P. J., 995
Timperi, Ralph See Zytkovicz, T. H.
Ting, Wen Kuo See Chang, Zer-Yuang
Titani, Koiti See Katayama, Masahiko
Tittor, Wolfgang See Kropf, Jürgen

Tittor, Wolf See Ratayama, Masaniko Tittor, Wolfgang See Kropf, Jürgen Tobias, H. See Perel, J. M. Tobin, Michele See Crisp, David Todd, Dennis, Miller, Jeffrey; DeBari, Vincent; Rubin, Arnold, 1050

Todd, Kathleen; Christensen, M., 1046 Todtleben, J. See Ramakrishnan, K.

Toffaletti, John; Ernst, Pam; Hunt, Paula; Abrams, Billy, 1730 Togashi, Kazuyoshi; Ando, Kenji; Hasegawa, Nobuhiro; Kawakami, Masaya; Marumo, Fumiaki, 765

Fumiaki, 765
Toivola, Bert See Melchior, Ann
Tokmakjian, Sonya D.; Haines, D. S. Milton;
Edmonds, Merrill W., 2150
Tokuda, Chikashi See Fukui, Hideo
Tomec, Robert See Solano, Romeo I.
Tomita, Kosuke See Nagata, Kazuhiko; See
Uji, Yoshinori

Uji, Yoshinori
Tomura, S. See Amano, S.
Toner, J. See Daniel, D.
Tonnesen, A. S. See Wu, A. H. B.
Topa, Marco See Castaldo, Giuseppe
Topliff, C.; Moon, C.; Shepherd, H., 1040
Topouzian, Nancy See Bowie, Lemuel J.
Torké, Narayan S.; Mukarram, Mohammad;
Aboona, Lina; Mehta, Pallavi; Patel, Ashok,
R. 582

R., 582
Torok-Both, George A. See Chan, Siu C.
Tortajada, Antonia See Yago, Martín; See
Yago, Martin
Toseland, P. A. See Wilson, J. F.
Toth, A. See Shapiro, D.
Tozuka, Minoru; Yoshida, Yuriko; Tanigami,
Junko; Miyachi, Mami; Katsuyama,
Tsutomu; Kanai, Masamitsu, 1645
Trach, Paula See Baker, Harold N.
Tracy, Russell P. See Bovill, Edwin G.
Traeger, Ulrich See Mangold, Dieter
Tranbaugh, R. F. See Altura, B. T.
Traverse, William E.; Horowitz, Gary L., 1003
Travert, Georges See Lemonnier, Françoise
Travert, Josette See Lemonnier, Françoise
Travis, Karen; Kohn, Diane; Jacob, Ann;

Travert, Georges See Lemonnier, Françoise Travert, Josette See Lemonnier, Françoise Travis, Karen; Kohn, Diane; Jacob, Ann; Krodel, Elizabeth, 1029
Traylor, Dena See Leonard, Lorraine Treiber, Wolfgang See Jarausch, Jochen Trinh, Q. See Becker, Janice
Tripodi, A. See Bruhn, H. D.; See Palareti, G. Troalen, Frédéric See Bidart, Jean-Michel Truchaud, A. See Gouget, B.; See Gouget, B. Trujillo, G.; Morris, D.; Marcus, R.; Geronimo, E.; Ehresman, D., 1032
Trundle, D. See Ashwood, E.; See Cole, Richard; See Cole, Richard; See Cole, Richard; See Cole, Richard; See Cole, Richard Trundle, D. S. See Cole, Richard Trundle, Diana; Legere, S.; Head, T.; Caldwell, J. R., 936; See Longhurst, Sharon Trundle, S. See Raymond, Anne Trundle, S. See Raymond, Anne Tryba, Jeff See Khaill, Omar S.
Tsay, Y. G.; Lin, C. I.; Lee, J.; Gustafson, E. K.; Appelqvist, R.; Magginetti, P.; Norton, R.; Teng, N.; Charlton, D., 1502

Tsay, Yuh-geng; Lin, Cheng-I; Appleqvist, Roger; Magginetti, Paul; Norton, Robert; Charlton, David, 1024 Tseng, S. Y. See Obzansky, D. M. Tseng, Susan Y. See Thompson, John C. Tsuboi, Hideyuki See Usui, Akihiko

Tsubota, Hiroyuki See Uji, Akiniko Tsubita, Hiroyuki See Uji, Yoshinori Tsuji, A. See Ikegami, T. —; Maeda, M.; Arakawa, H.; Ikegami, T.; Yamamoto, M.; Sekiya, K.; Sato, Y.; Saito,

Tsuji, Akio See Arakawa, Hidetoshi; See Yoshikawa, Kazuhide

Tsunokawa, Mutsuko See Cooper, Marc —; Chiang, C. S.; Grove, Thomas H., 1028 Tuchiya, Hideki See Kubotsu, Kazuhisa Tucker, John See Collins, Richard Tugendhaft, N. See Roche, D. Tuhy, P. M. See Bussian, R. W. Tunca, Osman See Erbil, M. Kemal Tuomi, Tiinamaija See Ailus, Kirsi Turcant, A.; Premel-Cabic, A.; Cailleux, A.; Allain, P., 1210 Turk, J. See Butch, A.

Turney, J. H.; Cooper, E. H.; Davison, A. M.; Forbes, M. A., 944 Tuten, Thomas See Sgoutas, Demetrios Tuvlin, M. See Wheaton, Robert N.

Twarowska, B. See Antonian, E.; See McNally,

A. J.

; Antonian, E.; McNally, A. J.; Ng, C. F.;
Vitone, S. S.; Salamone, S. J., 1000

Tyagi, Surendera K. See Blackburn, Gary F.
Tyminski, P. See Danielson, Susan J. Tymas, Denis See Rao, Parinam
Tyson, Ian See Heal, Albert
Uchimaru, D. See Wong, P. Y.
Ueda, M. See Niimi, A.
Ueshiba, Hajime; Segawa, Mari; Hayashi,
Tokishi; Miyachi, Yukitaka; Irie, Minoru,

ORISHI; MAYACHI, TURKIRAR; ITIE, MINOTU, 1329
Uhl, Wolfgang See Klenner, Dagmar
Uji, Yoshinori; Okabe, Hiroaki; Sugiuchi,
Hiroyuki; Shiraishi, Takanari; Kondo,
Hitoshi; Tomita, Kosuke; Sakamoto, Kouji;
Tsubota, Hiroyuki, 911
Ukena, T. See Reason, Craig H.
Ukita, Chizuko; Nishikawa, Mitsushige;
Shouzu, Akira; Inada, Mitsuo, 504
Ulvik, Rune J. See Bolann, Bjørn J.
Umeki, Kazumi See Matsumoto, Ken
Umemoto, Masao See Kuwa, Katsuhiko
Uprichard, A. C. G.; Shurzinske, L.; Watts, A.
R.; Nawrocki, J. W.; Eckfeldt, John H.; Cole,
Thomas G., 127
Urban, Elizabeth A. See Haessig, Lorene K.
Urry, F. M. See Wozniak, Elizabeth
Usui, Akihiko; Kato, Kanetusa; Tsuboi,

Urry, F. M. See Wozniak, Elizabeth
Usui, Akihiko; Kato, Kanetusa; Tsuboi,
Hideyuki; Sone, Takahito; Sassa, Hiromi;
Abe, Toshio, 458
Uwakwe, A. A. See Ekeke, G. I.
Väänänen, Kalervo See Vuori, Juhani
Vacca, Christina V.; Hunter, Thomas J., 1032
Vader, H. L. See de Jong, J. G. N.
Vader, Hund L. See Ponjee, Gabriëlle A. E.
Vafa, Ahmad Z.; Grover, Phulwinder, K.;
Resnick, Martin I., 1057
Vainionpää, Leena; Risteli, Leila; Lanning,
Marjatta; Risteli, Juha, 1365
Valade, Francine See Chevenne, Didier
Valdes, R., Jr. See Hess, P. Patrick, Jr.; See
Miller, James J.; See Miller, James J.
Valk, Kees; Fischer, Johan, 935
Valk, Kees; Fischer, Johan, 935
Valkirs, G. See Bruni, J. F.
Vallance, Hilary; Lockitch, Gillian, 1981

Vallaires, G. See Bruni, J. F. Vallance, Hilary; Lockitch, Gillian, 1981 Vallejo, R. See Schneider, M. C.; See Shackelford, W. H. Van Biervliet, Jean-Pierre; Michiels, Gerda; Rosseneu, Maryvonne, 706 Van Brunt, N. See Daniel, D. Van Daele, Godelieve See Delanghe, Joris Van de Vyver, Frank L. See D'Haese, Patrick

van den Berg, Rob J. See Kruitwagen, Roy F. P.M. Van den broecke, An See Pollet, Dirk E. van der Graaf, Fedde See Ponjee, Gabriëlle A.

van der Groen, G. See Pollet, D. E. van der Laarse, A. See Zhao, S. P. van der Laarse, Arnoud See Zhao, Shuiping van der Neut, Esther See Panteghini, Mauro van Deursen-Ketelaars, M.-J. See

Goldschmidt, H. M. J. van Deursen, C. T. B. M. See Coenen, J. L. L.

van Dieijen-Visser, M. P. See Coenen, J. L. L. M.
van Dijck, Patricia; Lievens, Michel M., 1308
Van Frank, Richard M., 1096
Van Geel, Anja See Pollet, Dirk E.
Van Heuverswyn, H. See Pollet, D. E.
Van Heuverswyn, Hugo See Pollet, Dirk E.
Van Hoof, François See Libert, Raymond
van Hoof, H. J. C. See Swinkels, L. M. J. W.
van Hoof, Harry J. C. See Swinkels, Leon M. J.
W

W. Van Hoof, Viviane O. See De Broe, Marc E. —; Hoylaeris, Marc F.; Van Mullem, Marina; Lepoutre, Lucien G.; De Broe, Marc E., 304 van Kamp, G. J. See Visser, J. J. Van Kessel, Antonius L. See Mahoney, John J. van Landeghem, A. A. J. See de Jong, J. G. N. Van Lente, Frederick See Hoffmann, Georg; See Kazmierczak, Steven C.

See Kazmierczak, Steven C.
Van Mullem, Marina See Van Hoof, Viviane O.
Van Noten, P. See Laureys, M.
van Oers, R. J. M.; Leerkes, B., 1025
—; Leerkes, B.; Lonink, Anita, 1041
van Pelt, J. See Coenen, J. L. L. M.
van Straalen, Jan See Panteghini, Mauro
van 't Hooft, F. M. See Zhao, S. P.
van 't Hooft, Ferdinand See Zhao, Shuiping
van Wermeskerken, Robert K. A. See Backer,
F. T.

van Wermeskerken, St. E. T. Van Wersch, J. W. J. See Coenen, J. L. L. M. van Zanten, A. P. See Weber, J. A. Vanbinst, Roger See Leal, Teresinha Vanderslice, W. Eric; Augustine, Geri; Bermes, Edward W., Jr.; Kahn, Stephen E.,

VanLeeuwen, K. See Pennington, C. VanNoord, T. See Hariharan, M. VanNoord, Ted See Hariharan, M.; See Hariharan, M.

Hariharan, M.
VanNostrand, C. See Zaydman, L.
Vannucci, S. See Coty, W.
Vant Erve, Yvonne See Bronstein, Irena
Varcin, P. See Cullibre, M. L.
Vasanthi, S. See Goldstein, Phillip
Vasdev, Sudesh; Sampson, Carol Ann;
Prabhakaran, Victor, 1068 Vasiliades, John, 2152

—; Hilgers, T.; Gentrup, B.; Remsburg, J., 2152 Vaubourdolle, Michel; Gufflet, Valérie; Chazouillères, Olivier; Giboudeau, Jacqueline; Poupon, Raoul, 1688

Vaughan, Diane See LeGatt, Donald F. Vaughan, Margaret-Anne; Baines, Andrew D.; Templeton, Douglas M., 210

Vaughn, R.; Biggini, A.; Lewis, L. M., 980

Vauzelle, Pascal See Bidart, Jean-Michel

Vecchio, Charles See Dooley, Patrick; See

—; Watson, Karen, 1039 Veer, G. v. d. Sluijs See Vermes, I. Vekich, A. J. See Macart, Michel Vekich, S. See O'Donnell, C. M.

Velkich, S. See O'Donnell, C. M. Velazquez, Francisco R.; Kelly, Cecil J., 979 —; Dilorio, Jere; Lake, Adena, 982 Velletri, K.; Camara, P. D.; Krupski, M.; Rosner, M.; Griffiths, W. C., 970 Vendely, Patricia; Vergara, Rebecca; Pandian, M. R., 1056 Venetta, T. See Butman, B. T.; See Schmetter, B.

B.
Venetucci, Mary See Longhurst, Sharon
Venta, Rafael See Balbin, Milagros
Verazin, G. See Bhargava, A.
Verdon, C. P.; Moore, R.; Bowers, G. N., Jr.;
Richter, J.; Hill, D. W., 1014
Vergara, Rebecca See Vendely, Patricia
Verloes, A. See Schoos, R.
Vermes, I.; Bonte, H. A.; Veer, G. v. d. Sluijs;
Schoemaker, J., 415
Vessella, Robert; Noteboom, Jennifer; Lange,
Paul, 1024

Paul. 1024

Vestal, Robert E., 906 Vianello, Fabio See Plebani, Mario Vieira, Jose G. See Pereira, Aparecido B.; See

vieira, Jose G. See Fereira, Aparectico B.; See Pereira, Aparectico B. —; Nishida, Sonia K.; Silva, Marcelo S.; Pereira, Aparectico B., 1064 Vihko, Retjo See Mäentausta, Olli Vilkari, Jorma See Nuutila, Pirjo Villafruela, J. J. See Gouzalez-Revalderia, J. Villafruela, J. J. See Gouzalez-Revalderia, J. Villanueva, Rochelle See Endres, David B. Villela, J. See Bruni, J. F. Villette, J. M. See Fiet, J. Villette, Jean-Marie See Moldovan, Florina Vincent-Viry, M.; Muller, J.; Fournier, B.; Galteau, M. M.; Siest, G., 327 Vine, W. See Schroeder, T.; See Sperling, M. Vine, W. H. See Stretcher, B. N.

Vinet, Bernard See Ammann, Hélène Virgil, Donna See Kwiterovich, Peter O., Jr. Visser, J. J.; van Kamp, G. J.; Donker, A. J. M.,

Visvikis, Athanase See Angele, Carolyn Vitone, S. See Bates, M.; See Blake-Courtney, J.; See Brandle-O'Connor, J.; See Casaretto, M. E. Vitone, S. S. See Antonian, E.; See Twarowska,

Vitug, Melinda See Howe, Timothy

Vitug, Melinda See Howe, Timothy
Vizoso, Francisco See Balbín, Milagros
Vladutiu, Adrian O.; Roach, Barbara M.;
Farahmand, Shirin M., 1788
Vo-Dinh, T.; Alarie, J. P.; Johnson, R. W.;
Sepaniak, M. J.; Santella, R. M., 532
Vogels-Mentink, G. M. See Geven, W. B.
Vogelsberg, Vanessa See Rosenfeld, Henry
Vogt, Bernd W. See Jarausch, Jochen; See
Lehmann, Paul
Volkert, R. M. See Nadig, K. B.

Nadig, K. B.: Hannahery, J.: Niedhala, R. S.

-; Nadig, K. B.; Hannabery, J.; Niedbala, R. S., 1048

Vollmer, P. A. See Dean, R. A. Vollmer, Robin T., 1101 Volpicelli, Sheila A. See Puopolo, Patricia R.; See Puopolo, Patricia R. von Eyben, Finn Edler See Ellekilde, Gertrude

von Eyben, Finn Edier See Ellekilde, Gertrude von Weiser, Georg See Jarausch, Jochen Vonk, Glenn P.; Wagner, Daniel B., 1519 Vorderwinkler, Karl-P., Artner-Dworzak, Erika; Jakob, Gabi; Mair, Johannes; Dienstl, Franz; Pichler, Max; Puschendorf, Bernd, 186

Voss, Ellen See Cembrowski, George

Voss, Ellen See Cembrowski, George
—; Cembrowski, George; Clasen, Becky;
Spencer, Martha; Ainslie, Michael; Haig,
Broatch, 988

Voyta, John C. See Bronstein, Irena
Vrcie, Hrvoje See Gatalica, Zoran
Vuori, Juhani; Rasi, Simo; Takala, Timo;
Väänänen, Kalervo, 2087
Wachter, Helmut See Reibnegger, Gilbert
Wada, H. Garrett; Owicki, John C.; Parce, J.

Wallace, 600
Wade, Charles E. See Dubick, Michael A

Wade, Charles E. See Dubick, Michael A. Wade, Stephen E.; Haegele, Albert D., 1166 Wagner, C. See Bruhn, H. D.; See Dati, F. Wagner, Daniel B. See Vonk, Glenn P. Wagner, Ina See Mair, Johannes Wagner, Joseph D.; Donnelly, D.; Saber, A.; Williams, M.; Haden, B., 974 Wagner, Klaudia See Schlebusch, Harald Wald, C. see the See, Libith, Martant M.

Williams, M.; Haden, B., 974
Wagner, Klaudia See Schlebusch, Harald
Wahl, Guenther See Liebich, Hartmut M.
Walla, Amrik S. See Langner, Jeffrey G.
Walker, G. See Wilson, J. F.
Walker, M. R. See Green, E. K.
Walker, R. P.; Crebin, V.; Soriano, T.;
Schwartz, P.; Stern, J.; Brown, J., 1056
Walker, T. See Coleman, C.
Wallace, Brian H.; Lott, John A.; Hazelwood,
Loren F., 909
Wallace, M. See Ferre, F.
Walldius, Göran; Jungner, Ingmar; Kolar,
Werner; Steiner, Eugen, 926
Wallemacq, Pierre E. See Leal, Teresinha
Walling, John See Hasz, Barbara
Walmsley, Trevor A.; Grant, Susan; George,
Peter M., 748
Walsh, D. See King, Carol
Walter, G. See Chen, J.; See Fagan, G.
Walter, Vern See Chen, Katherine H.
Walters, W. F.; Sisoler, B., 910
Walton, K. G. See Hopson, D. K.; See
McClellan, A. C.
Wan, Abraham T.; Conyers, Robert A. J.;

Wan, Abraham T.; Conyers, Robert A. J.; Coombs, Chris J.; Masterton, John P., 1683 Wang, Alice See Goldman, Mark

Coombs, Chris J.; Masterton, John P., 1683
Wang, Alice See Goldman, Mark
Wang, Chi-Chin; Cierniak, Rose E.; McKeever,
Robert T.; Salyers, Marshall, 1023
Campbell, David C.; Crouse, Steven;
Huskins, Kenneth R.; Koiv, Heikki; Maxson,
Joyce C.; Sivakoff, Sheldon I.; Southwell,
Frank R., 991
Huskins, Kenneth R.; Crouse, Steven; Koiv,
Heikki; Campbell, David C.; Sivakoff,
Sheldon I.; Maxson, Joyce C.; Southwell,
Frank R., 992
Wang, Chun-I See Cheng, Mary H.
Wang, E. See Becker, Janice
Wang, H. H. See Candel, Antimo G.
Wang, Hann-Ping See Palmer, Dennis A.
Wang, Nan-Ping See Lee, Wen-Hwa
Wang, Stephen T.; Demshar, Helen P., 132
—; Demshar, Helen P., 987
Wann, K. See Aw, T. C.
Ward, C. See Rouse, S.

—; McNally, A.; Motter, K.; Rouse, S.; Sundoro-Wu, R.; Salamone, S. J., 1007 Ward, Kory M.; Albright, Ann L.; Marble, Terri L.; Frenchko, Carla E., 1066 —; Wysocki, Tim; Hough, Brenda; Green, Lisa, 1070

Warmenbol, H. M. See Pollet, D. E. Warmenbol, Hilde See Pollet, Dirk E. Warner, Ann, 1099 Warshaw, A. See Lewandrowski, Kent Warsheski, J. O. See Antonian, E.

Warsheski, J. O. See Antonian, E. Warsy, A. S. See El-Hazmi, M. A. F.; See El-Hazmi, M. A. F.; See El-Hazmi, M. A. F. Watanabe, Kiyoaki See Katayama, Masahiko Waterbury, P. Greg See Lane, Michael J. Watkins, Roy C. See Nandedkar, Arvind K. N. Watson, Karen See Vecchio, Charles Watson, L. L. See Kramer, S. Watters, Sally See Luttrell, Brian Watts, A. R. See Uprichard, A. C. G. Watts, Nelson B., 2027

Watts, Nelson B., 2027 Weaver, Christine See Daoud, Emad Webb, Gary See Berk, Lee Weber, J. A.; van Zanten, A. P., 695 Weber, Kerstin See Masson, Parvesh Weber, M. H. See Dati, Francesco

weber, m. H. See Dati, Francesco Weber, Michael A.; Smith, David H. G.; Neutel, Joel M.; Cheung, Deanna G., 1880 Weber, T. A. See O'Grady, M. V. —; Kildal-Brandt, P. A.; Greenberg, N.; Powers, D. M., 956 Weeks, I. See Woodhead, J. S.

Weicker, Helmut See Strobel, Günther Weidemann, Gerhard See Sonntag, Oswald Weigand, R. See Hutton, J. Weigand, R. See Hutton, J.
Weinberger, I. See Rotenberg, Z.
Weindel, K. See Coty, W.
Weingand, Kurt See Dameron, Greg
Weinstein, Gerald See Rao, Parinam
Weintraub, Michael See Corsetti, James P.
Weir, M. See Enriquez, John I., Jr.
Weisenhorn, Albrecht L. See Hansma, Helen

G.
Welch, Charles; Nadkarni, Satej, 1041
Welch, R. See Altura, B. T.
Welch, Shirley; Armstrong, Therese, 998
Wellman, Maria See Angele, Carolyn
Wells, Rhondda See Pearson, J. Richard
Welsh, John; McClelland, Michael, 604
—; McClelland, Michael, 605

—; McClenard, Michael, 305 Wen-Fang, Huang; Ming-Quing, Yang; Ke-Huai, Peng; Liang-Zhong, Li; Fang-Hua, Chen; Hua, Liu, 1138

Wen, Long T.; Henneberger, Michael; Nguyen, Nicole; Smolec, Jo; McPherson, Richard A., 1057

Weng, J.-L. See Langner, Jeffrey G.
Wenham, Philip R.; Newton, Clive R.; Price,
William H., 241

—; Newton, Clive R.; Houlston, Richard S.;
Price, William H., 1983
Went, J. See Rosalki, S. B.

Werle, Ch. See Lehmann, P. Werneke, Debra; Elliott, Robert; Ledford, Lindsay, 1053 Werner-Felmayer, Gabriele See Reibnegger,

Gilbert Werries, Annette L.; Alexander, Roy L., Jr.,

977

West, Sheyla F. See Skogerboe, Kristen J.
Westgard, James O.; Petersen, Per Hyltoft;
Wiebe, Donald A., 656
—; Wiebe, Donald A., 1938
Wetherall, J. D. See Deleo, D. T.
Wevers, R. A. See de Jong, J. G. N.
Wheaton, Robert N.; Austin, G. E.; Mullins, R.
E.; Rubin, J. E.; Ziemer, D. C.; Rogers, D.;
Nanes, M.; Tuvlin, M.; Morin, L. G.;
Catherwood, B. D., 938
Whelan, Patrick: Moriarty, John: Bergkuist

Whelan, Patrick; Moriarty, John; Bergkuist,

Whelan, Patrick; Moriarty, John; Bergkuist, Carolyn, 944
Whicher, J. T. See Jones, R. G.; See Jones, R. G.; See Jones, R. G.; See MacNamara, E. M. Whitcomb, Randall W. See Schneyer, Alan L. White, G. H., 769
White, Graham H. See Dilena, Beverly A. White, Thomas J. See Greisen, Kay S. White, William I. See Garcia-Webb, P.

White, William I. See Garcia-Webb, P.
—; 119
White, Y. See Bohannon, J.
Whitehead, T. P.; Bevan, E. A.; Miano, L.;
Leonardi, A, 879
Whiteley, G. See Leek, A.
Whitlow, K. See Powell, Diane
Wickus, Gary G.; Caplan, Robert H.; Mathews,
Elizabeth A.; Pehling, Gregory B., 595
Widhalm, Kurt; Pakosta, Renate, 238
Wiebe, D. A. See Lasky, F. D.

Wiebe, Donald A. See Miller, W. Greg; See Westgard, James O.; See Westgard, James

Westgard, James U.; See Westgard, James O.
Wiedmeyer, H. M.; Little, R. R.; England, J. E.; Rohlfing, C. L.; Goldstein, D. E.; Schneider, J.; Groetsch, H.; Malerczyk, M.; Draeger, E.; Dichtl, E., 956; See Little, R. R.
Wiedmeyer, Hsiao-Mei See Little, Randie R.
Wieland, Heinrich See Jarausch, Jochen Wiesner, Russell See Moyer, Thomas P.
Wikinski, Regina L. W.; Schreier, Laura E.; Rosental, Silvia B., 1913
Wilcox, M. See Bell, J. 191
Wilcox, R. Bruce See Nelson, Jerald C.; Nelson, Jerald C.; Liewendahl, B. Kristian; Tikanoja, Sari H., 1298
Wilding, P. See Kricka, L. J.
Wildt, L. See Schönau, E.
Wilhite, Tim See Hortin, Glen L.
Wilkins, Elizabeth See Blackburn, Gary F.
Will, P. G. See Corcoran, K. A.
Willamowski, Klaus-Dieter; Steinbiss, Joachim, 981

Willcox, L. See Billing, Janet
Willcox, L. See Geven, W. B.
Willcom, Wim N. P. See Kruitwagen, Roy F.
P. M.

P. M.

P. M.

Williams, J. See Wilson, J. F.

Williams, L.; Carrico, J.; Georgette, C.;

Graham, B.; Kelly, P.; Smith, M., 1009

Williams, M. See Cheung, Man-Kam; See Saber,

Anne; See Wagner, Joseph D.

Williams, R. See Rosalki, S. B.

Williams, R. H. See Maggiore, J. A.

Wilson, David See Rao, Parinam

Wilson, David M.; Liedtke, Robert R., 1229

Wilson, J. F.; Williams, J.; Walker, G.;

Toseland, P. A.; Smith, B. L.; Richens, A.;

Burnett, D., 442

Wilson, Joyce I. See Schmidt, Charles F.

Wilson, Paulette; Parikh, Nayana;

Wilson, Joyce I. See Schmidt, Charles F. Wilson, Paulette; Parikh, Nayana; Kleerekoper, Michael; Parfitt, A. M., 939 Wimmer, Cathy See Dooley, Patrick Winckers, Eduard K. A. See Leerink, C. Bas Windsor-Long, K. See Kramer, S.; See Kramer,

S.
S.
Wingert, William; Feldman, Michael, 997
Winkels, Julie See Moyer, Thomas P.
Winn-Deen, Emily S., 898
—; Iovamisci, David M., 1522
Winney, R. J. See Tibi, L.
Wisser, Hermann See Kohse, Klaus P.
Witherspoon, L. R.; Shuler, S. E.; Joseph, G.;
Baird, F.; Neely, H.; Sonnemaker, R., 1019
Witte, D. L.; Angstadt, D. S.; Schweitzer, J. K.,

926

witte, D. L.; Angstadt, D. S.; Schweitzer, J. K., 926
witte, David L., 484
wittman, P. D. See Orsulak, P. J.
witzmann, Frank, 1996
wolf-Rogers, Julie See Khalil, Omar S.
wolf, Eckhard; Brem, Gottfried, 763
wolf, S. See Galliher, George
wolf, Steve; Bell, R.; Carr, R.; Galliher, G.;
Parsons, S.; Smith, K.; Zeballos, M., 979
wolfe, L. See Dragon, B.
wolfert, Robert See Hill, Craig
volf, Kim; Sanderson, Marion; Hay, Alastair
W. M.; Raistrick, Duncan, 205
-; Hay, Alastair; Raistrick, Duncan, 1297
-; Hay, Alastair; Raistrick, Duncan, 1651
wollaeger, J. See Bruni, J. F.
woloszczuk, W. See Steiner, G.
wolters, Susan M. See Bilodeau, Laura L.
wong, Edward T. See Harris, Eugene K.
wong, H. See Cheng, M.
wong, H. See Cheng, M.
wong, H. See McClelland, Michael
wong, P. Y.; Mee, A. V.; Uchimaru, D.;
Tandory, J., 1046
wong, Richard See Kan, Brenda
wong, Ronald J. See Mahoney, John J.
wong, Shan S.; Nguyen, Nghia D.; Wu, Alan H.
B., 1011

Wong, Shiu C.; Tesanovic, Maria; Poon, Man-Chiu, 1456
Woo, C. See Roman, J. Woo, Jannie See Zaman, Syed
Wood, W. G. See Thijssen, J. H. H. Woodhead, J. S.; Weeks, I., 472
Woodring, C. See Bahar, I.
Worthington, L. See Powell, Diane
Worthington, Lorne; Powell, D.; Haden, B., 934

934
Worthy, Thomas E. See Hollander, Lori; See
Inloes, Roger; See Leos, Mike
Wortsman, Jacobo; Matsuoka, Lois Y.;
Kueppers, Friedrich, 108
Wouters, C. J. See Pollet, D. E.
Wozniak, Elizabeth; Jennison, T.; Urry, F. M.,

Wright, D. See Davies, C. J.

Wright, Edwin See Kyne, Frank Wright, R. K. See Burrows, K. C. Wright, Reba; Johannsen, Jody; Slaby, Richard; Martin, Mark; Padala, V. Reddy,

Wright, Ted See Robbins, David
Wu, A. H. B.; Tonnesen, A. S.; Smith-Cronin, L.;
Gornet, T. G.; McKinley, B. A.; Graham, G.
A., 977; See Johnson, Kent G.; See
Onigbinde, Taofiq A.
Wu, Alan H. B., 1809
—; , 1100; See Jones, Lynn A.; See Wong, Shan

Wu, Huey-Nan See Lai, Michael M. C. Wu, Jinhua See Yang, Shude Wu, Jinhua See Yang, Shude
Wu, Lynne See Sulewski, M.
Wu, Shaole See Zhang, Jian Zhong
Wu, Tai-Cuang See Blackburn, Gary F.
Wu, Tai-Wing See Carey, Doug
Wu, Y. S. See Bohannon, J., See Su, Y. T.
Wu, Yih Shiong; Hurt, C.; Kohne, C.;
Simmons, M.; Sine, H., 1063
Wyndham, Lindsay See Koumantakis, George
Wysocki, Tim See Ward, Kory M.
Ku, Allan See Levine Barry.

Xu, Allan See Levine, Barry Yachera, E. See Reichstein, E

Yachera, E. See Reichstein, E. Yagihashi, Satoru See Matsumoto, Ken Yago, Martín; Tortajada, Antonia, 948 Yago, Martín; Tortajada, Antonia, 1463 Yamada, Akifumi See Osawa, Hisao Yamada, I. See Matsuura, Tsuneaki Yamada, Shigeki See Hyodo, Hiroshi; See Yamamoto, Hiroshi

Yamada, Sigeki See Hirose, Kazunori Yamagata, Susan K.; Koski, K.; Schubert, S.; Strother, M.; Cass, M.; Strobel, J.; Bray, K.,

Yamaji, T.; Ito, K.; Hasegawa, R.; Mastuzawa, K.; Honda, H.; Shinmei, M., 1029 Yamamoto, Hiroshi See Hirose, Kazunori —; Sugiyama, Koji; Yamada, Shigeki; Maehata, Eisuke; Simomura, Hiroje, Kiyose, Hiroshi, 982

Yamamoto, Katsuhiko; Higashimoto, K.; Minagawa, H.; Okada, M.; Kasahara, Y. 1031

Yamamoto, M. See Ikegami, T.; See Sekiya, K.;

Yamamoto, M. See Ikegami, T.; See Sekiya, K. See Tsuji, A. Yamashita, Shinya See Matsumoto, Ken Yamauchi, S. See Ashihara, Yoshihiro Yamazaki, Mitsuru See Fujii, Youichi Yan, Cheng See Oh, Chan Yanaihara, Noboru See Tachikawa, Tetsuya Yang, Shude; Lin, Yuewen; Wu, Jinhua; Liu, Xiang; Hu, Yajun, 985
Yang, Victor C. See Chen, Weiliam Yannoni, C. See Ling, E. Yashinoya, Sadayoshi See Mikami, Yasuyo Yasmineh, Joan See Jensen, Todd Yau, Eric K. See Caruthers, M. H. Yazaki, Yoshio See Katoh, Hirohisa Yazawa, Shin See Tachikawa, Tetsuya Yechieli, Haya See Kahana, Luna Yedinak, Jennifer See Nehmadi, Friedah Yeh, Q. See Altura, B. T. Yen, Carrie; Swanson, Alice; Elevitch, Frankin, 976

Yoder, John See Shoemaker, B.

Yoneda, Koji; Fujita, S.; Katayama, Y.;
Matsuyama, T., 926
Yoneyama, Toshiaki See Hirano, Tetsuo
Yoshida, Mitsutaka See Ihara, Hiroshi
Yoshida, T. See Amano, S.
Yoshida, Yuriko See Tozuka, Minoru
Yoshikawa, D. M. See Baselt, R. C.
Yoshikawa, Kazuhide; Maeda, Masako; Tsuji,
Akio; Kamada, Satoru, 1048
Yoshino, Fumio See Osawa, Hisao
Yoshioka, Shigetake; Kameyama, Kazuko;
Sanaka, Mayumi; Sekine, Isao; Kagimoto,
Seiichi; Fujitsuka, Satoshi; Saitoh, Shizuko,

Seiichi; Fujitsuka, Satoshi; Saitoh, Shizuko,

686
Yoshizumi, Hideo See Niwa, Toshimitsu
Yosinoya, Sadayoshi; Mikami, Yasuyo; Sasaki,
Hideaki; Ohkubo, Akiyuki, 1020
Yost, D. See Pennington, C.
Young, C. C. See Altura, B. T.
Young, Donald S., 488
Yu, H. T. See Pleban, P. A.
Yu, Li; Highsmith, W. E., Jr.; Frazier, D. M.;
Kirkman, H. N.; Friedman, Ken; Perry,
Tenly; Silverman, L. M., 1059
Yu, Stephen S.; Osterloh, John, 1015
Yuen, C. S. See Aw, T. C.
Zak, Bennie See Morgan, Bradley R.
Zakher, A. See Sinosich, M. J.
Zaman, Syed; Patel, Lins; Woo, Jannie, 912

Zakher, A. See Sinosich, M. J.
Zaman, Syed; Patel, Lina; Woo, Jannie, 912
Zaunczkowski, Denise; Rosenfeld, Henry;
Kaufman, Richard A., 947
Zaydman, L.; Lasky, F. D.; VanNostrand, C.;
Doptis, P. D., 960
Özbay, Tayfun See Erbil, M. Kermal
Ozcan, Nurettin See Erbil, M. Kermal
Zeballos, M. See Wolf, Steve
Zegers, Netty D.; Claassen, Eric; Gerritse,
Koen; Deen, Carla; Boersma, Wim J. A.,
1806

1606
Zehnder, Donald See Goldman, Mark
Zeigler, W. See Bahar, I.
Zelinger, D. J. See Gossett, K. A.
Zembrowski, Elizabeth See Linke, E. George
Zepeda, Hector; Houk, Russel R.; Agarwal,
Raghunath P.; Podlasek, Stanley J., 930
Zerback, Rainer See Kridde, Gabriele
Zettler, E. See Elize

Zerback, Rainer See Kridde, Gabriele
Zettler, G. See Eleiott, C.
Zhang, Jian Zhong; Chen, Da Yong; Wu,
Shaole; Harke, Heather R.; Dovichi, Norman
J., 1492
Zhang, Yanru See Mazhar, Mohammed
Zhang, Z.-J. See Nassar, B. A.
Zhao, S. P.; Smelt, A. H. M.; Leuven, J. A.
Gevers; van 't Hooft, F. M.; Hollaar, L.;
Serree, J. M. P.; van der Laarse, A., 1139
Zhao, Shuiping; Smelt, Augustinus; Leuven,
Jan Gevers; Hollaar, Leny; van der Laarse,
Arnoud; van 't Hooft, Ferdinand, 921
Zhou, A. See Kilroy, J.

Arnoud; van 't Hooft, Ferdinand, 921
Zhou, A. See Kiiroy, J.
Zhou, Anna See Gaumond, Bruce
Ziegelmaier, R. See Martens-Düring, B.
Ziegle, Janet See Kronick, Mel N.
Ziegler, S. See Schneider, M. C.
Ziemer, D. C. See Wheaton, Robert N.
Zijlstra, W. G.; Buursma, A.; Meeuwsen-van
der Roest, W. P., 1633
Zirbes, Paula M.; Khaja, G.; Reddy, M.
Narabari 934

Narahari, 934
Zisbrod, Z. See Altura, B. T.
Zonaro, Antonella See Mantero, Giovanni
Zoppi, F. See Dati, Francesco; See Lammers,
Manfred

Mantred
Zoppi, Francesco See Brustolin, Domenico
Zozaya, M. See Hufnagle, Gary
Zubey, Lisa A. See Berne, Cheryl A.
Zucchelli, Gian Carlo See Clerico, Aldo
—; Pilo, Alessandro; Chiesa, Maria Rosa; Masini,
Silvano; Clerico, Aldo, 1052; See Pilo,

Silvano; Clerico, Aldo, 1052; See Pilo, Alessandro Zurek, Thomas F. See Khalil, Omar S. Zurek, Tom F. See Khalil, Omar S. Zwart, A; Siepel, H., 952 Zwelling, Leonard A., 908 Zytkovicz, T. H.; Salter, Julia; Hennigan, Laura; Timperi, Ralph; Maguire, James; Hoff, Rodney, 1281

Volume 37, 1991 SUBJECT INDEX

KEY TO ABBREVIATIONS

A, abstract of meeting paper CR, case report CC, case conference E. editorial H, history

L. letter O. opinion obit, obituary R, review

S, symposium paper SN. scientific note SR, special report TB, technical brief

AACC award winners, 1991, 1313 AACC presents award, 1662 AACC research grants, 1806 1991 AACC election results, 1806 43rd natl. mtg., abstracts of papers, 909 43rd natl. mtg., industry sponsored

43rd natt. mtg., industry sponsored workshops, 1106 43rd natl. mtg., plenary session, 891 43rd natl. mtg., roundtables, 1087 43rd natl. mtg., selected topics, 1095 43rd natl. mtg., symposia abstracts, 892 43rd natl. mtg., workshops, 1072

Abused drugs

accuracy, precision, and interferences of 3 modified EMIT[™] procedures for detg. serum phenobarbital, urine morphine, and urine cocaine metabolite with a Cobas-Fara

anal. for commonly abused drugs in urine at selected threshold ("cutoff") concns. (L),

analytical performance of SYVA EMIT urine drug of abuse assays on Chem1 (A), 997 cost-based comparison of semiquantitative screens of fetal and maternal urine for drugs of abuse (A), 1014

detection, confirmation, and quantn. of benzodiazepines in serum by liquid chromatog. with photodiode-array detection (SN), 701

detn. of detection limits of EMIT drugs of abuse with Technicon CHEM 1 analyser (A), 1001 detn. of product shelf life and activation

energy for five drugs of abuse, 398
development of diluted Syva EMIT® D.A.U.
testing procedures for the Olympus® Reply

development of urinary phencyclidine assay for Du Pont aca® discrete clin. analyzer (A),

drug anal. at the 1988 Olympic Winter Games in Calgary (SR), 1289

drug screening with EMIT reagents: quant approach to quality control (SN), 733 EMIT® II Cannabinoid assays, a two-reage system for detection of cannabinoids in

urine (A), 1005 evaln. of Boehringer Mannheim Hitachi 717 analyzer for drugs of abuse and comparison of results with Monarch 2000[®] (A), 1016 evaln. of Boehringer Mannheim/Hitachi 747

analyzer with EMIT® 700 chemistries (A), evaln. of phencyclidine on the biosite Triage

drug-screening assay (A), 1011 evaln. of rapid visual immunoassay for opiates

in urine (A), 1010 evaln. of Serasub[®], a substitute for human and mammalian blood products for making calibrators and controls for drugs of abuse

exploring currently used threshold concns. in drug of abuse testing (A), 993 failure of β-glucuronidases to hydrolyze

exogenous morphine glucuronide (TB), 759
GC/MS assay for multiple drugs of abuse in
urine using single cation exchange solidphase extraction cartridge (A), 1013
high-dose methadone and the need for drug
measurements in plasma (CR), 1651
importance of creatinine analyses of urine
when excepting for abused drugs 1927

when screening for abused drugs, 1927

improvement in efficiency of Toxi-lab® drug detection system by use of overpressure layer chromatog. (A), 1001

interference by ritodrine in GC/MS confirmation of

confirmation of delta-9-tetrahydrocannabinol-9-carboxylic acid in urine (L), 1305 interference in GC/MS confirmation of delta-9-tetrahydrocannabinol-9-carboxylic acid by a secondary tetrahydrocannabinol metabolite (L), 1307 medical drug screening using Abbott ADx^{GS} system (A), 1013 methadone concess, in plasma and their substitutional productions of the control of the control

relationship to drug dosage, 205 methadone in saliva (L), 1297 passive inhalation of cocaine (L), 2160 performance of full-scanning ion-trap gas

chromatog./mass spectrometry for drugs of abuse in urine (A), 995 rapid monitoring of benzodiazepines in clin. samples by on-line column switching HPLC,

sensitive, selective, and rapid procedure for quantg. cocaine in urine (L), 2152 simplified, sensitive enzyme immuno

simplified, sensitive enzyme immunoassay for detection of benzoylecgonine (A), 1002 stability of phencyclidine and amphetamines in urine (TB), 2141 synthetic sweetener cyclamate as potential source of false-pos. TDx amphetamine results (L), 2016 techniques used to detect drugs of abuse in urine: study based on external quality assessment (SN), 442 trifluoroacetyl derivatives of phentermine and ephedrine yield mass spectra profiles similar to amphetamine and metamphetamine (A), 1003

ultrasensitive meas. of A-9-tetrahydrocannabinol with a High Energy Dynode detector and electron-capture negative chem.-ionization mass spectrometry, 2062

Accuracy See Analytical error

Acetonitrile gas chromatog. meas. of acetonitrile in serum (A), 1015

Acetylcholinesterase rapid, specific enzyme immunoassay of serotonin, 1178

serotonin, 1178

Acetylglucosaminidase
association between urinary N-acetyl-βglucosaminidase and its isoenzyme patterns
and microangiopathy in type 1 diabetes
mellitus (A), 1686
concns. of N-acetyl-β-D-glucosaminidase and
its intermediate isoenzymes in serum of
patients with renal transplants (TB), 583
dipstick for rapid, simple detection of N-acetylβ-D-glucosaminidase in urine (A), 911
multicenter evaln. of kinetic assay for detn. of
N-acetyl-β-D-glucosaminidase in urine (A),
963

Acetylneuraminic acid(s) See also Sialic acid

Acid phosphatase

bone protein and peptide assays in diagnosis and management of skeletal disease (R), 1143

meas, of prostate-specific antigen and prostatic acid phosphatase concns. in serum before and 1–42 days after transurethral resection of the prostate and orchidectomy, 859

performance of thin-film assay for serum prostatic acid phosphatase on a Kodak Ektachem analyzer (A), 975

Ektachem analyzer (A), 975
prostate-specific antigen and prostatic acid
phosphatase (A), 1056
Acquired immune deficiency syndrome
See also HIV
confirmation and differentiation of antibodies
to HIV-1 and -2 with a strip-based assay
including recombinant antigens and
synthetic pentities (A) 1700

synthetic peptides (A), 1700 establishment of ref. interval for β_2 -microglobulin in CSF with use of two comm. assays (SN), 104

flow cytometry and sorting: gene regulation and biochem. studies, fluorogenic substrates and other fluorochromes (A), 899 individual probability for onset of full-blown

individual probability for onset of full-blown disease in patients infected with human immunodeficiency virus type 1, 351 isocratic reversed-phase HPLC method to meas. pyrimethamine extd. from plasma of infants treated for toxoplasmosis (SN), 1281 meas. of serum β₂-microglobulin levels by Du Pont aca® discrete clinical analyzer (A).

predicting AIDS onset for individual patients (E), 486

Acridinium

affinity chromatog, in developing acridinium ester-labeled antibodies for immunometric assay of parathyrin (SN), 117 immunochemiluminometric assays based on acridinium labels with a microtiter late luminometer (TB), 472

See Corticotropin

Acute-phase proteins can serum ferritin be effectively interpreted in the presence of the acute-phase response?

measurements of serum ferritin used to predict concns. of Fe in bone marrow i anemia of chronic disease (SN), 560

GYMSUM assay for 11-nor-delta-9-tetrahydrocannabinol due to ibuprofen interference (A), 1008

Acylcarnitine
fast atom bombardment mass spectrometry of
new fluorinated derivatives of carnitine and
acylcarnitines (A), 920

Adenocarcinoma
plasma protein-bound sialic acid in patients
with colorectal polyps of known histology,

Adenomas

serum profiles of steroid hormones in patients with Cushing's syndrome detd. by HPLC/RIA, 1329 steroid characteristics of mineralocorticoid adrenocortical hypertension (S), 1843

Adenosine deaminase adenosine deaminase increased in serum in toxoplasmosis (L), 2021 semi-automated method for adenosine

deaminase acty. (A), 918 Adrenal cortex

relative cross-reactivity of enriched DLIF isolated from bovine adrenal cortex (A),

Adrenal function automated FPIA for DHEAS using Abbott IMx

steroid characteristics of mineralocorticoid adrenocortical hypertension (S), 1843

adreno-ordical hypertension (5), 1843
Adrenergic receptors
adreno-medullary hypertension: review of
syndromes, pathophysiology, diagnosis, and
treatment (5), 1849

Advanced analytical concepts See Oak Ridge Conference

Age-related effects
See also Sex- and age-related effects
age and ref. intervals: always changing (A),
905

hypercholesterolemia: diet, aging, and genes as effectors of LDL receptor acty. (A), 892 physiol. changes with aging (A), 904

AIDS

See Acquired immune deficiency syndrome,

effect of heat treatment of sera for deactivation of AIDS virus on commonly monitored serum analytes (A), 932

Alanine aminotransferase

body mass index and liver enzyme acty. in serum (SN), 720

serum (SN), 720 development of liquid-stable NADH and its use in two-reagent assays for AST and ALT on IL Monarch⁶⁸ Chem. Systems (A), 912 math. model for comparing proficiency testing results across anal. methods (SN), 265

Albumin

Ibumin
above-normal urinary excretion of retinolbinding protein and albumin in Albustixneg. hypertensive patients (TB), 1446
albumin, transferrin, prealbumin, and retinolbinding protein: markers for nutritional
status in total parenteral nutrition patients (A) 985

status in total parenteral nutrition patients (A), 985
albuminuria and diabetic nephropathy: an evolving story (E), 2027
borderline increases in albumin excretion rate and the relation to glycemic control in subjects with type I diabetes, 2048
effects of serum-isolated vs synthetic bilirubin-albumin complexes on dye-binding methods for estg. serum albumin (SN), 1269
evaln. of affinity chromatographic method for glycated protein and albumin as an indicator of diabetic control (A), 962
evaln. of BM test colon albumin (A), 981
GCDFP-70 protein in cyst fluid identified as albumin and used to classify cysts in women with breast gross cystic disease, 547
interlaboratory comparison of measurements of albumin in urine, 191
measuring urinary albumin: precision, substances that may interfere, and conditions for sample storage (SN), 2120
monitoring treatment of alcoholic liver disease: evaluation of various severity indices (E).

disease: evaluation of various severity indices (R), 5

more on effects of storage time and temp. on measurement of small concns. of albumin in

urine (L), 591
multicentre evaln. of sensitive urinary
albumin method in eight laboratories (A), 962

962 multilayer-film bromcresol green method for albumin meas. significantly inaccurate when albumin/globulin ratio is < 0.8 (L), 766 overestn. of albumin in heparinized plasma

overestn. of albumin in heparinized plasma (SN), 566 possible explanation for decrease in albumin in stored urine samples (L), 2013 quant. meas. of urinary human albumin in diabetic patients by turbidimetric immunoassay (A), 1061 quantn. of urinary albumin on Kallestad OM300 (A), 974 rapid detection and initial characterization of genetic variants of human serum albumin

genetic variants of human serum albumin, 1221

sequential measurements of urinary albumin in recipients of renal allografts (TB), 472

Albuminuria

albuminuria vs urinary total protein for detecting chronic renal disorders (W), 621

detecting chronic renal disorders (W), 621 analbuminuric proteinuria: true but transient finding (L), 765 assessment of microalbuminuria by homogeneous latex particle immunoassay on the Ciba Corning 550 Express (A), 1032 diabetic nephropathy: a disease causing and complicated by hypertension (S), 1838 predictors of microalbuminuria in adolescents with insulin depotat diabetes well-time.

with insulin-dependent diabetes mellitus (A), 1070

quantn. of urinary albumin on Kallestad OM300 (A), 974

Alcohol

See also Alcoholism, Ethanol

Alcoholism

blood magnesium parameters in patients with severe alcoholism (A), 1069 carbohydrate-deficient transferrin in serum: new marker of potentially harmful alcohol

consumption reviewed (R), 2029
CK-MB mass determinations in non-traumatic

alcoholic rhabdomyolysis (A), 1023 decrease in ethanol metabolism in sons of alcoholics and rodent animal model (A),

monitoring treatment of alcoholic liver disease: evaluation of various severity indices (R). 5

indices (K), 5 role of ATP-citrate lyase in chronic alcoholics and its effect on lipid metabolism (A), 929 2,3-butanediol in plasma from an alcoholic mistakenly identified as ethylene glycol by gas chromatog. (CR), 1453

Aldose reductase

aldose reductase inhibitors for treatment of diabetes mellitus (A), 900

Aldosterone

chemiluminescence immunoassay of aldosterone in serum (SN), 1987

in-house chemiluminescence immunoassay for serum aldosterone (A), 1043 plasma renin acty. and plasma prorenin assays (S), 1811

steroid characteristics of mineralocorticoid adrenocortical hypertension (S), 1843

steriol characteristics of mineratocorticola adrenocorticola hypertension (S), 1843

Alkaline phosphatase agarose gel electrophoresis of alk, phosphatase isoenzymes with wheat germ lectin and fluorogenic substrate (L), 1309

alk, phosphatase isoenzymes: anal. comparison of polyacrylamide gel electrophoresis and isoelectric focusing (A), 909

anti-asialoglycoprotein receptor antibody and intestinal-origin alk, phosphatase in plasma in diabetes (L), 583

apparent alk, phosphatase acty, in serum measured with phosphorylcholine as substrate (L), 479

benign inherited hyperphosphatasemia of intestinal origin: two cases and brief review of literature (CR), 1449

best buffer for routine alk, phosphatase assays (L), 134

(L), 134 bone protein and peptide assays in diagnosis and management of skeletal disease (R),

and management of skeletal disease (R),
1143
chemiluminescent assay of alk, phosphatase
using indoxyl derivative as substrate and
appln, to enzyme immunoassay and DNA
probe assay (A), 1018
comparability of alk, phosphatase isoenzyme
methods (L), 1301
development of the BAP Tandem-R® assay for
the specific detection of bone alk.
phophastase (A), 1019
development of two-component liq, stable alk,
phosphatase reagent and evaln, on IL
Monarch® Chem. Systems (A), 910
effects of storage time and temp, on urinary
enzymes (SN), 1436
enhanced chemiluminescent assay of alk.
phosphatase and appln. to 1143

phosphatase and appln. to chemiluminescent enzyme immunoassays

(A), 1048 higher substrate specificities to phosphorylcholine and phosphorylethanolamine for human intestinal ALP found in weak alk. pH (A),

identn. of intestinal, intestinal variant, and identn. of intestinal, intestinal variant, and high-M, alk, phosphatase with the Resolve-ALP isoelectric focusing system (L), 304 monitoring treatment of alcoholic liver disease: evaluation of various severity indices (R), 5 multiple forms of alk, phosphatase in plasma of hemodialysis patients (E), 783 multiple forms of alk, phosphatase in plasma of hemodialysis patients (E).

of hemodialysis patients, 815 quantifying bone and liver alk, phosphatase by resolution of two-component inactivation data obtained with a centrif, analyzer, 347

rapid sepn. and quanth. of bone and liver isoenzymes of alk. phosphatase by agarose gel electrophoresis using wheat germ lectin and fluorescent substrate (A), 914

rapid, sensitive chemiluminescent enzyme immunoassay for meas. tumor markers,

sensitive, colorimetric enzyme amplification cascade for detn. of alk. phosphatase and appln. to immunoassay of thyrotropin (S), 1513

time-resolved fluorescence detection of enzyme-amplified lanthanide luminescence for nucleic acid hybridization assays (S),

"transient hyperphosphatasemia of infancy and childhood" in an adult (L), 1137 use of two-site immunoradiometric assay for bone alk. phosphatase in investigation of renal bone disease (A), 1067

Alkylation

wynation insuring absence of false negative results on GC/MS assay for 11-nor-delta-9-tetrahydrocannabinol due to

11-nor-delta:9-tetrahydrocannabinol due to ibuprofen interference (A), 1008
Allele-specific oligonucleotides detection of human apolipoprotein E3, E2, and E4 genotypes by an allele-specific oligonucleotide-primed PCR assay: development and validation (SN), 1263 genetic screening of newborns for sickle cell disease: correlation of DNA anal. with Hb electrophoresis (SN), 454 genetic typing using PCR technology for anal. of biol. specimens (A), 610
Allersens.

Allergens

chemiluminescence and radioimmunology compared for 10 allergens (TB), 474 Alprazolam

liquid chromatographic assay for the detn. of therapeutic levels of alprazolam and

clonazepam in human serum (A), 990 Aluminum

Aluminum
direct calibration for detg. Al in bone and soft
tissues by graphite furnace AAS (SN), 461
multiple forms of alk, phosphatase in plasma
of hemodialysis patients, 815
Aluminum phthalocyanine
Al phthalocyanine-streptavidin: sensitive
fluorescent tracer for immunoassay (SN),

American Board of Clinical Chemistry See ABCC Amino acids

changes in serum amino acid patterns in renal transplant patients during acute rejection (A), 1069

(A), 1069 citrulline concns. in human plasma after arginine load (TB), 1287 diagnostic and genetic studies in 43 patients with classic cystinuria, 68 high-sensitivity laser-induced fluorescence detection for capillary electrophoresis (S),

isoelectric fosuing electrophoresis of protein-ligand conjugates: effect of the degree of substitution (SN), 87 micro-quantn. of CsA and its metabolites,

detn. of their spectral absorptivities, 1185 neonatal screening for amino acid disorders in southern Brazil: pilot study results (A), 989 plasma amino acids analysis by HPLC-UV

method with precolumn derivatization using phenyl isothiocyanate (A), 986

Aminoglycosides
computerized approach to monitoring
aminoglycosides (SN), 1415
Aminohippuric acid

application of p-aminohippuric acid method to Cobas Mira (A), 983

Aminolevulinic acid incorrect structure proposal for 8-aminolevulinic acid derivative (L), 1135 Aminotransferases

See also specific enzymes apparent stability of aminotransferases: influence of anal. method (L), 131

Amitriptyline development of TDx assays for analysis of amitriptyline and nortripyline in patient serum/plasma (A), 1006

Ammonia development of ammonia assay free from

interference by atmospheric ammonia, and application to Hitachi 717 (A), 933 new liquid reagent for detn. of ammonia on Cobas[®] clin. analyzers (A), 947 Amnotic fluid amniotic fluid fluorescence polarization and amniotic fluid fluorescence polarization and

lecithin/ sphingomyelin ratio as predictors for fetal lung maturity (A), 919

amniotic fluid phospholipid "analysis"? (E),

effects of maternal diabetes, twins, and effects of maternal diabetes, twins, and amniotic fluid contaminants on Abbott TDX® FLM assay (A), 922 evaln. of automated assay for AFP in serum and amniotic fluid (A), 1048 evaln. of Stratus automated immunoassay for

evain. of Stratus automated immunossey in detn. of AFP concentration in serum and amniotic fluid (A), 965 interferences with 17-hydroxyprogesterone detn. in amniotic fluid (L), 2154 meas. of L/S ratio in amniotic fluid by fast atom benchardment, mass great pometry.

atom hombardment mass spectrometry.

RIA of inhibin based on synthetic human inhibin α-chain peptide, 40

Amperometry See also Electrochemical detection, Electrochemistry

Amphetamine an Abuscreen® Online® immunoassay for detection of amphetamine in urine on Cobas MIRA® automated analyzer (A), 995 detection of amphetamine and

detection of amphetamine and methamphetamine in urine samples using microtiterplate competitive enzyme immunoassay (A), 1012 detn. of amphetamine, methamphetamine, and other sympathomimetic amines in urine by gas chromatog./mass spectrometry (A), 1001 evaln. of full-scanning chemical ionization method for GC/MS analysis of amphetamines in urine (A), 1000

method for GC/MS analysis of amphetamines in urine (A), 1000 investigation of possible interference by ibuprofen and naproxen patient samples with EMIT® d.a.u. @ assays for amphetamine, barbiturate, benzodiazepines, and cannabinoit (A), 1009 performance of EMIT® DAU monoclonal amphetamine/mathamphatamine and particle particle patients.

amphetamine/methamphetamine and

Coat-A-Count® methamphetamine assay as secondary tests for positive amphetamine

screens (A), 1002 quantn. of amphetamine and methamphetamine in human urine by GC/IR/MS (A), 1004

stability of phencyclidine and amphetamines in urine (TB), 2141

synthetic sweetener cyclamate as potential source of false-pos. TDx amphetamine

results (L), 2016 trifluoroacetyl derivatives of phentermine and ephedrine yield mass spectra profiles similar to amphetamine and metamphetamine (A), 1003

Amplification Refractory Mutation System anal. of apolipoprotein E genotypes by the Amplification Refractory Mutation System (SN), 241

rapid diagnosis of familial defective apolipoprotein B-100 by Amplification Refractory Mutation System (SN), 1983

automated meas. of amylase isoenzymes by double kinetic assay with "blocked" β-2-chloro-4-nitrophenyl maltopentaoside as substrate and with wheat germ inhibitor, 1345 Amylase

development of automated procedure for detn. of a-amylase using silyl-blocked p-nitrophenyl-a-n-maltoheptaoside as subtrate (A), 910

diagnostic and prognostic utility of phospholipase A acty. in patients with acute pancreatitis: comparison with amylase and

lipase, 356 discrepancies between methods for amylase in

cases of macroamylasemia (L), 2159 evaln. of amylase on CHEM-14 rotor for Dupont analysts (A), 980 evaln. of eight urine assays on Ciba Corning

550 Express (A), 984 evaln. of urine assays on this Corning 550 Express (A), 984 evaln. of urine = "ylase, phosphorus, uric acid, and urea Not Beckman Synchron CX* 4/5 clin. system (A), 971 isopropylidine maltoheptosyl fructofuranoside, doubly blocked substrate for detn. of

endoamylase acty., 1323

lipase acty, in serum measured with Ektachem is often increased in nonpancreatic disorders (SN), 447

lipase isoforms and amylase isoenzymes assays and appln. in diagnosing acute pancreatitis, 361 mass detn. of pancreatic amylase with

immunoenzymometric assay using biotin streptavidin (A), 913

performance characteristics of new silylblocked substrate for amylase detn. (A), 912

time course of changes in pancreatic enzymes, isoenzymes, and isoforms in serum after endoscopic retrograde cholangiopancreatography, 1602

Amyloid P

quantn. of serum amyloid P by enzyme-linked immunosorbent assay (SN), 1742

κ/λ index for confirming urinary free light chain in amyloidosis AL and other plasma cell dyscrasias (CR), 1122 quantn. of serum amyloid P by enzyme-linked immunosorbent assay (SN), 1742

Analytical error

See also Variation, source of

see also variation, source of acid Ho electrophoresis and glycohemoglobin bands (TB), 582 application of Westgard Quality-Control Selection Grids to the Kodak Ektachem 700 Analyzer (A), 954

approaches to minimizing interference by cross-reacting molecules in immunoassays

(R), 144
assay interference caused by powder from
prepowdered latex gloves (L), 1460
best buffer for routine alls. phosphatase as (L), 134

Ca titrated, heparinate induced errors in

Ca ttrated, neparinate induced errors in ionized Ca detn. in blood (A), 947 caveat for molec. biol. diagnosis of papillomavirus (L), 2015 changes in O₂ meas. when whole blood is stored in iced plastic or glass syringes (SN), 1244

1244 consistency of the algorithm for p_{0_2} correction in blood-gas analysis (TB), 292 contamination of breath CH₄ samples in

sterilized Vacutainer Tubes (L), 2019 defects in diagnostic kits for detg. urate in serum (SN), 879

detn. of linear range using total error approach (A), 959

(A), 503 discrepancies between methods for amylase in cases of macroamylasemia (L), 2159 do enzymatic analyses of serum triglycerides really need blanking for free glycerol? (L),

127
effect of polypropylene centrifuge tubes on extn. of desipramine from blood (L), 1468 effects of serum-isolated vs synthetic bilirubin-albumin complexes on dye-binding methods for estg. serum albumin (SN), 1269 elim. of glucose interference in enzymatic detn. of inulin (L), 2017 elimination of interference from indican in 2.5.DCPD method for total bilirubin by

2,5-DCPD method for total bilirubin by multipoint kinetic analysis (A), 948 evaln. of glycated Hb with the REP system (A), 969

evaln. of Miles/Technicon DAX-96 analyzer for interferences, and comparison of assay results with SMAC and BM/Hitachi 717 (A),

965
evaln. of phosphorus blanking reagent (A), 969
false-pos. titers of thyroid autoantibodies in
patients undergoing hemodialysis? (L), 2153
Fe measurement in patients with monoclonal
immunoglobulin: a further caution (L), 589
five treatments evald, for elimination of

ascorbate interference in enzymatic detn. of urinary oxalate (SN), 864

fluorescein interference with urinary creatinine and protein measurements (L),

fluoxetine (Prozac®) interference in CN column liquid-chromatog, assays of tricyclic antidepressants and metabolites (L), 1304 hexosaminidase contamination in bovine

nexosaminidase contamination in bovine serum albumin: potential problem in screening for gene carriers of Tay—Sachs disease (L), 1462

"high-dose hook effect" as a pitfall in quantg-transgene expression in metallothionein-human growth hormone transgenic mice

(L), 763

"high-dose hook effect" in IRMA-Count PSA assay of prostate-specific antigen (L), 771 imprecision of Stratus immunoassay system for FT₄ (L), 769 improved delta check method for detecting specimen misidentification (A), 956

improved interpretation of enzyme immunoassay of herpes IgG antibodies by partial correction for cross-reactivity (TB),

increased estradiol concn. of unknown origin

(L), 2152 influence of intermed.-density lipoproteins on accuracy of the Friedewald formula (SN), 1394

influence of monoclonal Igs in direct detns. of Fe in serum (SN), 690 interference by ritodrine in GC/MS

confirmation of delta-9-tetrahydrocannabinol-9-carboxylic acid in urine (L), 1305 interference in assay of free T₃ by T₃-binding

antibodies (L), 2150 interference in GC/MS confirmation of

delta-9-tetrahydrocannabinol-9-carboxylic acid by a secondary tetrahydrocannabinol metabolite (L), 1307 interference in thyroid function tests in postpartum thyroiditis (SN), 1397

postpartum thyrotaus (SN), 1697 interference of D-mannose in glucose measurements by glucose oxidase and hexokinase methods (L), 477 interference of D-mannose, antiglycolytic

agent, in glucose detns. (L), 1308 interference of hemo lube in

basophil/lobularity channel of Technicon H*1 hematology analyzer (A), 935 interference of serum Hg with Abbott TDx (L), 1659

isotopic and nonisotopic assays of somatotropin compared: re-evaln. of cutoff value in provocative tests (SN), 273

measuring ionic activity in biological fluids without error caused by the junctions potential due to conventional ref. electrodes (A), 947

methodol. considerations in arterialization of venous blood (L), 1139 more on interference of bilirubin in creatinine

detn. by Hitachi analyzers (L), 1460 multi-factor designs IV. how multi-factor

muiti-factor designs IV. now muiti-factor designs improve estimates of total error by accounting for protocol-specific biases, 26 multilayer-film bromcresol green method for albumin meas. significantly inaccurate when albumin/globulin ratio is <0.8 (L), 766 non-physiological interferences in external

non-physiological interferences in excernal quality-control samples affecting accuracy assessment (A), 959 optimal method of polychromatic correction for spectral interferents on Beckman Synchron CX* 4/5 systems (A), 932 overestn. of albumin in heparinized plasma

(SN), 566

(SN), 566
pentobarbital quantn. in the presence of phenobarbital by fluorescence polarization immunoassay (SN), 1774
percent glycated hemoglobin detd. in 5 min. on 10-microliter sample (A), 949
pitfalls in measuring choriogonadotropin and its five cubacits in december of correct decre

its free subunits in decomplemented sera (L), 1467

problems encountered in adapting Syva reagents to the Beckman Synchron CX4 (L), rare error in glucose detn. in hemolysate (L),

secondary wavelength to use in fructosamine test performed with Hitachi analyzers (L), 762

rous index identifies lipemic samples causing interference with bilirubin assay on Hitachi 717 (L), 2014 stable uric acid std. solution with glycerol, not

stable uric acid std. solution with glycerol, no formaldehyde (L), 1138 storage of CH₄ breath-test samples in plastic syringes (L), 2161 Synchron CX* 4/5 wash concentrate II: reduction of system consumption (A), 969 with this concentrate results of the content of the conten

synthetic sweetener cyclamate as potential source of false-pos. TDx amphetamine

results (L), 2016
use of chicken antibodies in enzyme
immunoassays to avoid interference by
rheumatoid factors, 411

using weighted regression to avoid deficiencies of ordinary regression in estimating systematic bias of assays with wide dynamic ranges (A), 1040

utilitarian procedure to avoid bilirubin interference on creatinine assays (A), 932 Analytical systems

See Centrifugal analyzer, Continuous-flow an alysis, Discrete analysis, Random-access analysis, etc.

Androstanediol glucuronide
RIA kit for quant. meas. of androstanediol
glucuronide (A), 1049

Anemia

can serum ferritin be effectively interpreted in the presence of the acute-phase response?
(E), 484

(E), 484
lipid and apolipoprotein parameters in selected anemic conditions (A), 925
measurements of serum ferritin used to predict concns. of Fe in bone marrow in anemia of chronic disease (SN), 560

relationship of whole blood and plasma glutathione concentrations to anemia in humans and rats with renal insufficiency (A), 1067

Angina

ngina
concn. of Mn-superoxide dismutase in serum
in acute myocardial infarction (SN), 458
S-troponin T in suspected ischemic myocardial
injury compared with mass and catalytic
concns. of S-CK-MB (SN), 1405
serum levels of myosin heavy chains and other
tissue markers compared in patients with
myocardial infarction and angina pectoris
(A) 1062

(A), 1062

Angiopathy

increased thrombomodulin values in plasma of diabetic men with microangiopaphy (SN), 269

adaptation of serum angiotensin-converting enzyme measurement to Hitachi 717 (A), 966

angiotensin-converting enzyme detn. in plasma during therapy with converting enzyme inhibitor: two methods compared (SN), 1390

plasma renin acty. and plasma prorenin assays

Angiotensin-converting enzyme adaptation of serum angiotensin-converting enzyme measurement to Hitachi 717 (A),

966
angiotensin-converting enzyme detn. in
plasma during therapy with converting
enzyme inhibitor: two methods compared
(SN), 1390
automated enzymatic assay for angiotensinconverting enzyme (A), 915
serum angiotensin-converting enzyme in
patient with sarcoidosis and diabetic
retinopathy (A), 917

Angiotensin-converting enzyme inhibitor abnormal Na metab. and plasma renin acty. (renal renin secretion) and the vasoconstriction volume hypothesis: implications for pathogenesis and treatment of hypertension and its vascular quences (heart attack, stroke) (S),

role of lab. testing in diagnosis of renovascular hypertension (S), 1831

Animal models of disease See Veterinary chemistry

Antiarrhythmic drugs HPLC anal. of flecainide enantiomers in plasma: comparison with fluorescence polarization immunoassay (TB), 111

Antibiotics

See also specific antibiotic of interest changes in serum cholesterol in patients with cystic fibrosis before and after I.V.

cystc hbrosis before and after I.V. antibiotics treatment (A), 923 computerized approach to monitoring aminoglycosides (SN), 1415 development of a fluorescence polarization immunoassay for teicoplanin (A), 994 displacement of phenytoin from serum protein carriers by antibiotics: studies with ceftriaxone, nafcillin, and sulfamethoxazole (SN), 98 (SN), 98

interference of Rocephin in salicylate detn. by Dupont aca (A), 934

Antibodies analysis of anti-nuclear antibodies by ELISA technique and correlation with immunofluorescent assay profiles (A), 1025 antibody suitability for two-stage free thyroxin

antibody suitability for two-stage free thyroxi assay (A), 1044 clin. evaln. of microparticle enzyme immunoassay for detection of total antibodies to hepatitis A virus (A), 1043 clinical evaln. of an anti-toxoplasma gondii/IgC ELISA using single-point quant.

procedure (A), 1045

development of lipoprotein(a) quantified by ELISA with plasminogen antibodies and apolipoprotein B antibodies (A), 926

efficient cloning and expression in *Escherichia* coli of single-chain antibody specific for phenobarbital (A), 1061 evaln. of Abbott IMx automated analyzer, qual. method for detection of cytomegalovirus IgM antibodies (A), 1046 evaln. of two enzyme immunoassays for detection of anti-HIV 1 or anti-HIV 2 and for differentiation between these antibodies (A) 1036 (A), 1036

immunochemical reactions of nortriptyline

immunochemical reactions of nortriptyline (A), 990 interactions among anti-creatine kinase monoclonal antibodies and creatine kinase isoforms: differential inhibition and anti-inhibition (A), 916

microparticle enzyme immunoassay for detection of antibody to hepatitis Be antigen

(A), 1049 novel, rapid membrane-based immunoassay for detecting antibodies to HIV-1 (A), 1025 results of a national collaborative study for

results of a national collaborative study for analytical evaln. of cyclosporine immunoassay (A), 957 simultaneous detection of antibodies to HTLV-1 and HIV-1 by chemiluminescent enzyme immunoassay (A), 1031 simultaneous meas. of thyrotropin receptor stimulating and blocking autoantibodies using human thyrocyte cultures (A), 938 time-resolved immunofluorometry of thyrotropin in serum using monoclonal and polyclonal antibody (A), 1047 uniteancer duries.

Anticancer drugs topoisomerase II: critical target in cytocidal action of anticancer drugs (A), 908

Antichymotrypsin prostate-specific antigen in serum occurs predominantly in complex with α_1 -antichymotrypsin, 1618

Anticoagulants
development of human recombinant tissue
factor-based prothrombin time reagent (A), 951

951 meas. of Protein S in plasma, 1708 storage stability of citrate blood samples for coagulation analyses (A), 952

Anticonvulsant drugs
See also drug of interest, Drug assay, Toxicology

displacement of phenytoin from serum protein carriers by antibiotics: studies with ceftriaxone, nafcillin, and sulfamethoxazole

electrochem. enzyme immunoassay for phenytoin by flow-injection anal. incorproating a redox coupling agent (SN),

Antidepressants
See also Tricyclic antidepressants
immunochemical reactions of nortriptyline (A), 990

Antiepileptic drugs See Anticonvulsant drugs

Antiestrogen therapy long-term antiestrogen therapy for breast cancer (A), 906

Antigens
development of an Enzymun-Test® CA 72-4
assay and appln. on recently introduced ES
300 instrument (A), 1020
evaln. of immunoradiometric assay for quantn.
of mammary tumor associated antigen (CA

549) (A), 1056

microparticle enzyme immunoassay for detection of antibody to hepatitis Be antigen (A), 1049

which serum markers for breast cancer—BCM, CA 549, or CA 15-3? (A), 1052

Antisense compounds gene regulation with antisense compounds (A), 907

Antisickling nutrient some biochemical changes induced by antisickling nutrients phenylalanine, Cajanus Cajan extract and Sicklervit[®] (A),

Antistreptolysin O appln. of the Biokit Quantex plus antistreptolysin-O assay to Beckman Synchron® CX 4/5 system (A), 1022 automated immunoprecipitation assay of anti-streptolysin O in human serum on Technicon DPA-1* system (A), 1022 nephelometric detn. of antistreptolysin O (A),

Antithrombin

development of antithrombin III chromogenic assay and evaln. on centrifugal analyzer (A), 963

963
evaln. of rapid immunochemical assay for antithrombin III (A), 950
multicentre evaln. of chromogenic method for antithrombin III detn. using undiluted plasma on Boehringer Mannheim/Hitachi analysis systems (A), 952
relationship of lipoprotein(a) to variables of coagulation and fibrinolysis in healthy population, 1950

Antitrypsin detection of genetic variants of α_1 -antitrypsin with site-specific monoclonal antibodies,

elastase inhibitory acty. in serum of patients with thyroid dysfunction (SN), 108 enzyme immunoassay screening of a₁-antitrypsin in dried blood spots from 39

289 newborns, 821 typing of genetic variants of α_1 -antitrypsin in plasma and from dried blood using Phastsystem (A), 1064

identn. of atypical cholinesterase variants using succinyldithiocholine substrate (A),

Apolipoproteins abnormal concns. of CII, CIII, and E apolipoproteins among apolipoprotein B-containing, B-free, and A-l-containing lipoprotein particles in hemodialysis patients, 387

anal. of apolipoprotein E genotypes by the Amplification Refractory Mutation System (SN), 241

apolipoprotein B as atherogenic risk indicator in 30 565 subjects is better than total serum cholesterol (A), 926

cholesterol (A), 926
application of turbidimetric apolipoproteins
A-1 and B assays to the 550 Express
analyzer (A), 924
calcn. of high density lipoprotein cholesterol
from total cholesterol, triglycerides, and
apolipoproteins A-1 and B (A), 928
changes in lipid profile and apolipoprotein
levels in patients with stroke (A), 926
clin. applns. and standardization of
apolipoprotein measurements in diagnostic

levels in patients with stroke (A), 926
clin. applns. and standardization of
apolipoprotein measurements in diagnostic
workup of lipid disorders (E), 619
detection of human apolipoprotein E3, E2, and
E4 genotypes by an allele-specific
oligonucleotide-primed PCR assay:
development of eLISA for estimation of human
apolipoprotein A1 in plasma without need
for denaturation (A), 923
development of lipoprotein(a) quantified by
ELISA with plasminogen antibodies and
apolipoprotein B antibodies (A), 926
development of moreological antibody-based
ELISA for quantn. of Lp(a) in plasma (A), 918
effect of captopril on serum lipids, lipoproteins
and apolipoproteins in patients with
hypertension (A), 927
effect of plasma triglyceride concns. on
accuracy of immunoturbidimetry of
apolipoprotein B (SN), 748
effect of wt. loss on serum lipoprotein(a)
concns. in obese population, 1191
effects of low molecular weight heparine on
blood lipids during application in chronic
hemodialysis patients (A), 927
ELISA for detection of apolipoprotein B in
human serum and plasma (A), 923
enzyme-linked immunosorbent assay of
apolipoprotein E-AII complex in plasma,
1645
excretion of \$\rho_2\$-glycoprotein I (apolipoprotein
H) in renal tubular disease, 74

1645
excretion of β₂-glycoprotein I (apolipoprotein H) in renal tubular disease, 74
heterozygous hypobetalipoproteinemia with fasting chylomicronemia (CR), 296
identn. of variant apolipoprotein E by
isoelectric focusing and restriction isotyping in type III hyperlipoproteinemia (L), 1308
IFCC standardization project for measurements of apolipoproteins A-I and B, 1676

1676
immunoturbidimetric method for routine
detns. of apolipoproteins A-I and B (SN), 742
influence of LDL particle size on mess. of
apolipoprotein B (L), 1139
ischemic heart disease, serum cholesterol, and
apolipoproteins in CAPD (A), 921
lipid and apolipoprotein parameters in selected
anemic conditions (A), 925

modified immunoblotting technique for phenotyping lipoprotein(a) (SN), 576 multicentre evaln. of immunoturbidimetric assays for apolipoproteins A-I and B (A), 921 mutagenic PCR primers to detect carriers of familial defective apolipoprotein B-100 (SN),

pathophysiol. of hyperapobetalipoprotein role of basic proteins I, II, III (R), 317 rapid diagnosis of familial defective

apolipoprotein B-100 by Amplification Refractory Mutation System (SN), 1983 serum apolipoprotein levels and early atherosclerosis (A), 926

Apoproteins

oproteins
oncos, of subfraction HDL₂ and lipoprotein
A-I in a random population of healthy
subjects, 2111

Arachnoiditis

carboxyterminal propeptide of type I procollagen in CSF in childhood and in children with leukemia undergoing intrathecal treatment, 1365

Arginine concns. in human plasma after arginine load (TB), 1287

Argininosuccinate lyase role of clin. lab. in evaln. of argininosuccinate lyase there are a few and a few argininosuccinate lyase role of clin. lab. in evaln. of argininosuccinate lyase a few are a few lyase deficiency (CC), 1384

Argon

routine anal. of copper and iron in liver by inductively coupled plasma emission spectroscopy (A), 983

total As in urine: Pd-persulfate vs Ni as a matrix modifier for graphite furnace AAS, 1575

Ascitic fluid

CA 125 in serum and ascitic fluid of patients with liver diseases, 1379

Ascorbate

scorbate
effect of experimental ascorbate depletion on
plasma and urinary carnitine levels in
healthy men (A), 984
five treatments evald, for elimination of
ascorbate interference in enzymatic detn. of
winger greater (SN), 864

ascorbate interterence in enzymatic detri. of urinary oxalate (SN), 864 modified enzyme-based colorimetric assay of urinary and plasma oxalate with improved sensitivity and no ascorbate interference: ref. values and sample-handling procedures (SN), 1300 (SN), 1229

Aspartate aminotransferase

spartate aminotransferase
body mass index and liver enzyme acty. in
serum (SN), 720
development of liquid-stable NADH and its use
in two-reagent assays for AST and ALT on
IL Monarch® Chem. Systems (A), 912
examn. of ref. range for aspartate
aminotransferase detd. on Ektachem 700 SB
after collection in heparinized gel separator

tubes (A), 913

Aspirin See Acetylsalicylate, Salicylate

Asthma

significance of the M_2 allele of α , protease inhibitor in asthma (A), 1065 Atherogenesis

apolipoprotein B as atherogenic risk indicator in 30 565 subjects is better than total serum cholesterol (A), 926

in vitro solubilization of aortic unesterified cholesterol-rich lipid particles by high-density lipoproteins (A), 921 Atherosclerosis

influence of intermed.-density lipoproteins on accuracy of the Friedewald formula (SN),

1394
isolating and quantg. intermediate and β-VLDL cholesterol, 1913
lipoprotein modn.: adjunct to plasma lipid and lipoprotein levels in atherosclerosis (A), 892 mutagenic PCR primers to detect carriers of familial defective apolipoprotein B-100 (SN),

1762
new receptor-binding assay for glycosylated low-density lipoprotein (A), 928
normal HDL and HDL, cholesterol in female patients on high flux hemodialysis (A), 922
prevention and regression of human atheroselerosis by lipid lowering (A), 893
serum apolipoprotein levels and early atheroselerosis (A) 996

atherosclerosis (A), 926

Atomic absorption spectrometry
See also Atomic absorption spectroscopy,
Atomic absorption spectrophotometry
direct calibration for detg. Al in bone and soft tissues by graphite furnace AAS (SN), 461

elim. of matrix and spectral interferences in meas. of Pb and Cd. in urine and blood by electrothermal AAS with D₂ background correction, 1583 factors affecting detns. of Mg in serum by atomic absorption spectrometry (SN), 723 improved sample prepn. for accurate detn. of low concns. of Pb in whole blood by graphite furnace analysis, 515

micro anal. for Mg in myocardial biopsies (SN),

routine anal. of copper and iron in liver by inductively coupled plasma emission spectroscopy (A), 983

Atomic absorption spectrophotometry detn. of Ag in blood, urine, and tissues of volunteers and burn patients, 1683 magnesium and rubidium in CSF of patients with brain tumors, leukemia, or other with brain tuniors, teaching, or other noncerebral neoplasms and neurological disorders (A), 986 total As in urine: Pd-persulfate vs Ni as a matrix modifier for graphite furnace AAS,

Atomic absorption spectroscopy blood-collection device for trace and ultra-trace metal specimens evaluated (SN), 709

Atomic force microscopy atomic force microscopy: seeing molecules of lipid and immunoglobulin (S), 1497

Atrial natriuretic peptide atrial natriuretic peptide assayed after immunoextraction with magnetic Fe particles (SN), 1769 release of cGMP evaluated as diagnostic tool in

cardiac diseases, 186

Australian antibody

See Hepatitis B antibody; Hepatitis B antigen See Information for Authors

AutoAnalyzer See Continuous-flow analysis, specific analyte Autoantibodies

analysis of anti-nuclear antibodies by ELISA analysis of americal antibodies by ELISA technique and correlation with immunofluorescent assay profiles (A), 1025 anti-plasminogen autoantibody in a patient with recurrent deep vein thrombosis (A),

930 false-pos. titers of thyroid autoantibodies in

false-pos. titers of thyroid autoantibodies in patients undergoing hemoidalysis? (L), 2153 interference in thyroid function tests in postpartum thyroiditis (SN), 1397 macromolecular CK type 1: serum marker assocd. with disease, 430 presence of autoantibodies to enzymes in sera of patients infected with human immunodeficiency virus (A), 918 simultaneous meas. of thyrotropin receptor stimulating and blocking autoantibodies using human thyrocyte cultures (A), 938 thyroperoxidase and microsomal antibody thyroperoxidase and microsomal antibody

assays in sera from patients with Graves disease (SN), 1777 unusual hyperthyroxinemia caused by endogenous T₄ antibodies (L), 1656

Autoimmune disease
excretion of β₂-glycoprotein I (apolipoprotein
H) in renal tubular disease, 74 urinary neopterin in patients with systemic lupus erythematosus, 47

Automated analyzers
See Continuous-flow analysis, Discrete analysis, etc.

Automation

automation, oligonucleotides, and future of solid-phase mol. diagnostics (A), 899

Avidin isoelectric fosuing electrophoresis of protein-ligand conjugates: effect of the degree of substitution (SN), 87

rate nephelometric biotin—avidin immunoassay for valproic acid on Beckman Array® 360 (A), 1026

Array" 360 (A), 1026
Avidin-biotin interaction
novel applien, of streptavidin-hapten
derivatives as protein-tracer conjugate in
competitive-type immunoassays involving
biotinylated detection probes, 58

Awards See AACC

AZT

See Azidodeoxythymidine

Bacteria

detection and identn. of meningitis-causing bacteria using polymerase chain reaction (A), 1059

mol. approaches to infectious diseas diagnosis: strengths and pitfalls (A), 608

Barbiturates

arbiturates
See also specific barbiturate of interest
evaln. of two-reagent emit assays for opiates,
barbiturates, and cocaine metabolite on
Hitachi 737 analyzer (A), 1012

investigation of possible interference by ibuprofen and naproxen patient samples with EMIT® d.a.u.® assays for amphetamine, barbiturate, benzodiazepines, and cannabinoid (A), 1009 pentobarbital quanta. in the presence of

phenobarbital by fluorescence polarization immunoassay (SN), 1774

BASO-DALT

See Electrophoresis, two-dimensional Basophil interference of hemo lube in

basophil/lobularity channel of Technicon H*1 hematology analyzer (A), 935 Beckman conference introduction (S), 1809

Bence Jones protein
dear Dr. [Bence] Jones . . . (E), 1557
excretion of β₂-glycoprotein I (apolipoprotein
H) in renal tubular disease, 74

"ladder light chain" or "pseudo-oligoclonal" distinctive pattern in urinary immunofixation electrophoresis studies: explanatory hypothesis relating to free polyclonal light chains, 1559 restricted electrophoretic heterogeneity of Ig

light chain in urine: a cause for confusion with Bence Jones protein, 1570

Benzia pyrene
evaln. of fiber optic antibody-based
fluoroimmunosensor for DNA adducts in
human placenta samples, 532

Benzodiazepines
Abuscreen Online® immunoassay for detection of benzodiazepines in urine on Cobas MIRA (A), 995

Cobas MIRA (A), 995 detection, confirmation, and quantn. of benzodiazepines in serum by liquid chromatog. with photodiode-array detection (SN), 701 EMIT® II benzodiazepine two-reagent assay for detection of benzodiazepine in urine on high volume analyzers (A), 999 enzymatic digestion, solid-phase extn., and GC/MS of derivatized intact oxazepam in urine 1595

GC/MS of derivatized intact oxazepam in urine, 1595 investigation of possible interference by ibuprofen and naproxen patient samples with EMIT® d.a.u.® assays for amphetamine, barbiturate, benzodiazepines, and cannabinoid (A), 1009 liquid chromatographic assay for the detn. of the resulting levels of alphrayolagm and

therapeutic levels of alprazolam and clonazepam in human serum (A), 990 new and improved EMIT® d.a.u.® benzodiazepine assay (A), 998 rapid monitoring of benzodiazepines in clin. samples by on-line column switching HPLC,

804

Benzoylecgonine

enzoylecgonine
Abuscreen® Online® immunoassay for cocaine
metabolite in urine on Olympus AU 5121
and 5131 automated analyzers (A), 1000
Abuscreen® Online® immunoassay for
detection of benzoylecgonine in urine on
Cobas MIRA® (A), 996
comparison of Abbott fluorescence polarization
immunoassay and Roche RIA for analysis of
benzoylecgonine in urine (A) 1008

benzoylecgonine in urine (A), 1008 development of screening test to measure benzoylecgonine in neonatal blood spots (A),

exploring currently used threshold concns. in drug of abuse testing (A), 993 importance of lowering the cut-off concentrations for urine screening and

confirmatory tests for benzoylecgonine/cocaine (A), 993

simplified, sensitive enzyme immunoassay for detection of benzoylecgonine (A), 1002

Bicarbonate

analytical performance of the enzymatic bicarbonate method on CHEM1 (A), 948 development of kinetic method for serum bicarbonate using Boehringer Mannheim/Hitachi analyzers (A), 945

granulated dry powder bicarbonate reagent for automated analyzers with long calibration stability (A), 976

Bichromatic analysis assay for detn. of lactic acid using the Dupont Dimension® clin. chem. system (A), 946 overestn. of albumin in heparinized plasma

(SN), 566 two part Ca analysis on the Ciba Corning 550 Express[®] analyzer (A), 968

Bile acids

bile acids and conjugates identd. in metab. disorders by fast atom bombardment and tandem mass spectrometry, 2102 effect of elevated bile acid levels on digoxin

measurements using immunoassays (A),

simultaneous HPLC detn. of free, conjugated and sulfated bile acids (A), 920

Bilirubin

analysis of total bilirubin on neonatal samples analysis of total bilirubin on neonatal samples by different reagent systems (A), 989 calibrating assays of direct bilirubin (L), 133 detn. of creatinine in serum and urine by cation-exchange HPLC (SN), 563 digoxin-like immunoreactivity in serum from neonates and infants reduced by centrif. ultrafiltration and fluorescence polarization

ultrafiltration and fluorescence polarization immunoassay (SN), 94 discrepant bilirubin fractionation in newborn with Rh incompatibility and hyperbilirubinemia (A), 987 effects of serum-isolated vs synthetic bilirubin-albumin complexes on dye-binding methods for estg. serum albumin (SN), 1269 elimination of interference from indican in 2,5-DCPD method for total bilirubin by multipoint kinetic analysis (A) 448

multipoint kinetic analysis (A), 948 Kodak Ektachem total bilirubin and neonatal bilirubin meas. in newborns—is distinction clin. relevant? (A), 987 monitoring treatment of alcoholic liver

monitoring treatment of alcoholic liver disease: evaluation of various severity indices (R), 5 more on interference of bilirubin in creatinine detn. by Hitachi analyzers (L), 1460 performance characteristics of enhanced direct bilirubin procedure for use on Olympus AU5000% series of analyzers (A), 968 serum index identifies lipemic samples causing interference with bilirubin assay on Hitachi 717 (L), 2014 synthetic soluble bilirubin derivative to assess interference in creatinine measurements (SN). 236

(SN), 236

total bilirubin: development of new chemical method (A), 948

method (A), 948 ultrafiltration of serum to eliminate bilirubin interference in kinetic Jaffé detn. of creatinine (TB), 2010 utilitarian procedure to avoid bilirubin

interference on creatinine assays (A), 932

Bioassay

comparison of intact and mid-molecule parathyroid hormone meas. with nephrogenous cyclic adenosine monophosphate, a bioassay for parathyroid function (A), 939

Biological variation See Variation, source of Bioluminescence

chemiluminescent and bioluminescent techniques (S), 1472

Biometry See Statistics

Biosensors early detection of acute myocardial infarction (A), 1100

optical biosensor assay for the quantn. of β-hCG in serum and urine (A), 1024 optical biosensor assay (OBA®) (S), 1502

See also Avidin-biotin mass detn. of pancreatic amylase with immunoenzymometric assay using biotin streptavidin (A), 913 rate nephelometric biotin—avidin immunoassay for valproic acid on Beckman Array® 360 (A), 1026 sensitive, fully mechanized TSH enzyme

immunoassay using streptavidin/biotin technology (A), 1035

Biotin-avidin interaction biotin radioligand assay with PEG as sepn. reagent (L), 1306

biotin-(strept)avidin system: principles and applns. in biotechnol. (R), 625 appnie. in blocetinos. (x), 629 ultrasensitive, specific, two-antibody IRMA that defects free alpha subunits of glycoprotein hormones in blood of nonpregnant humans, Biotin-streptavidin interaction

biotin-(strept)avidin system: principles and applns. in biotechnol. (R), 625 sensitive, colorimetric enzyme amplification cascade for detn. of alk. phosphatase and appln. to immunoassay of thyrotropin (S),

Birth defects

See Heritable disorders, Genetics

Bisalbuminemia

rapid detection and initial characterization of genetic variants of human serum albumin, 1221

Blood gases

changes in O₂ meas. when whole blood is stored in iced plastic or glass syringes (SN),

consistency of the algorithm for $p_{\rm O_2}$ correction in blood-gas analysis (TB), 292 eval.. of aqueous blood gas electrolyte control

evaln. of aqueous blood gas electrolyte controls (A), 978
influence of type of tonometry and sample presentation on corrected pO₂ value (A), 946 methodol. considerations in arterialization of venous blood (L), 1139 motivation for developing optical sensors for blood electrolite measurements (E), 1319

blood electrolyte measurements (E), 1319 photosensitive solutions useful for calibration

of blood gas instruments (A), 949 quality control of pH and blood gases: comparison of tonometered blood to different control materials (A), 958

Blood glucose
whole blood glucose analysis evaluated on the
APEC glucose analyzer (A), 970

Blood pressure
relationship of lipoprotein(a) to variables of
coagulation and fibrinolysis in healthy

population, 1950 Blood urea nitrogen See Urea

bone protein and peptide assays in diagnosis and management of skeletal disease (R),

1143
development of the BAP Tandem-R® assay for
the specific detection of bone alk.
phophastase (A), 1019
direct calibration for detg. Al in bone and soft
tissues by graphite furnace AAS (SN), 461
measurements of serum ferritin used to
predict concns. of Fe in bone marrow in
anemia of chronic disease (SN), 560

rapid sepn. and quantn. of bone and liver rapid sepin and quantification and note and never isoenzymes of alk, phosphatase by agarose gel electrophoresis using wheat germ lectin and fluorescent substrate (A), 914 sequential concus, of Cu and ceruloplasmin in serum from preterm infants with rickets and fractures (SN), 556

use of two-site immunoradiometric assay for bone alk. phosphatase in investigation of renal bone disease (A), 1067

Bone disease
bone protein and peptide assays in diagnosis
and management of skeletal disease (R),

1143
multiple forms of alk. phosphatase in plasma
of hemodialysis patients, 815
osteocalcin concons. in plasma prepared with
different anticoagulants (SN), 281
use of two-site immunoradiometric assay for
bone alk. phosphatase in investigation of
renal bone disease (A), 1067

Bone marrow transplant plasma neopterin as adjunct to C-reactive protein in assessing infection, 2038

Book reviews
Abused Drugs, a Laboratory Pocket Guide,
2024

Analytical Instrumentation Handbook, 775 Atomic spectroscopy, 480
Basic Toxicology, 2nd ed., 2023
Chromatographic Analysis of
Pharmaceuticals, 775 Clinical Guide to Laboratory Tests, 1311 Clinical Immunology, Principles and Laboratory Diagnosis, 775 Effects of Drugs on Clinical Laboratory Tests,

EP Evaluator: Method Comparison, Linearity,

Precision, 1311
Hazardous Waste, Facts and Fallacies, 774
The Lead Paint Primer, 2023

Boronate

interference-free method for glycated proteins in serum and whole blood, based on a boronate reagent (S), 1520

Borosilicate particles

rapid isolation of genomic DNA from whole blood by binding to borosilicate particles (A), 1060

concns. of brain natriuretic peptide in treated congestive heart failure (L), 765 quantn. of virus-specific antibodies in CSF and serum: sensitive and specific detection of antibody synthesis in brain, 1153

reast detection of toluenediamines in urine of a patient with polyurethane-covered breast implants (CR), 756 GCDFP-70 protein in cyst fluid identified as albumin and used to classify cysts in women with breast gross cystic disease, 547

Breast cancer alterations of serum lipids in breast cancer: effects of disease acty., treatment, and hormonal factors, 2193 cathepsin D conc. in breast cancer cytosols: correlation with biochem., histol., and clin. findings (SN), 101 concordance of lab. indices for breast cancer

(A), 1050

evaln, and comparison of mucin breast cancer assays (A), 1053

assays (A), 1003
evaln. of immunoradiometric assay for
cathepsin D concentration in breast and
endometrial tumors (A), 1055
evaln. of immunoradiometric assay for quantn.

of mammary tumor associated antigen (CA 549) (A), 1056

immunoradiometric assay of pS2 protein in breast cancer cytosols (SN), 1759

isoforms of mucin glycoprotein CA M26 in sera of patients with breast cancer: comparison with CA 15-3, CA 549, CA M29, and CK BB (A), 1051 long-term antiestrogen therapy for breast

cancer (A), 906 prospective evaln. of CA-549 and CEA in

monitoring of breast cancer patients (A), 1054

which serum markers for breast cancer—BCM, CA 549, or CA 15-3? (A), 1052

Breast gross cystic disease GCDFP-70 protein in cyst fluid identified as albumin and used to classify cysts in women with breast gross cystic disease, 547

Breast implants urinary excretion of free toluenediamines in patient with polyurethane-covered breast implants (CR), 2143

Breast milk mineral needs of the lactating mother and her infant (A), 1105

Breath analysis
contamination of breath CH₄ samples in
sterilized Vacutainer Tubes (L), 2019
storage of CH₄ breath-test samples in plastic
syringes (L), 2161

Bromide

rapid detn. of chloride and bromide ions in serum using cyclicvoltammetric method (A), Burns

detn. of Ag in blood, urine, and tissues of volunteers and burn patients, 1683 Butanediol

2,3-butanediol in plasma from an alcoholic mistakenly identified as ethylene glycol by gas chromatog. (CR), 1453

Butyraldehyde
HPLC detn. of formaldehyde and
butyraldehyde using DNPH cartridges (A), 991

Butyrylthiocholine development of thin-film assay for serum cholinesterase using butyrylthiocholine as substrate (A), 966

substrate (A), 966
C-reactive protein
See also Acute-phase proteins
development of a liquid C-reactive protein
quality-control serum stabilized with
ethylene glycol (A), 969
dry chemistry multilayer immunoassay
element for CRF (A), 1036
immunoassay for low- and high-M, antigens
with a dry multilayer film (S), 1525
plasma neopterin as adjunct to C-reactive
protein in assessing infection, 2038
rapid, semi-quant. assay of C-reactive protein
evald. (SN), 1981

CA 125 in serum and ascitic fluid of patients with liver diseases, 1379 increases in CA 125 concns. in children (L),

quantn. of CA 125 in peritoneal fluid: inhibition of CA 125 response in a one-step IRMA and establishment of two-step assay format (TB), 760
rapid, sensitive chemiluminescent enzyme

immunoassay for meas. tumor markers,

(Washington University Case Conference) CA-125 concns. in malignant and nonmalignant disease (CC), 1968

elim. of matrix and spectral interferences in meas. of Pb and Cd. in urine and blood by electrothermal AAS with D₂ background

electrothermal AAS with D₂ backgro correction, 1583 thiol status of isolated rat hepatocytes protected from cadmium toxicity by alphatocopherol succinate (A), 1068

Calcitonin

unexpected high calcitonin concns. after pentagastrin stimulation (TB), 473

Calcium

alcium assessing acute parathyroid responsiveness in hemodialysis patients by meas. intact PTH in pre- and post-dialysis serum, 1216 Ca sensor improvements on the IL Phoenix® chem./electrolyte analyzer (A), 944 Ca titrated, heparinate induced errors in ionized Ca deta. in blood (A), 947 comp. of unjoyr by depayments (greatining).

concn. of urinary hydroxyproline/creatinine, and Ca/creatinine in normal and osteoporotic women in early
postmenapousal period (A), 937
correlation of Synchron CX® Ca reagent on
Synchron CX3/4/5 vs atomic absorption (A),

975
direct calibration for detg. Al in bone and soft tissues by graphite furnace AAS (SN), 461 dry electrolyte-balanced heparinized syringes evaluated for detg. Ca* and other electrolytes in whole blood (SN), 1730

evaln. of eight urine assays on Ciba Corning 550 Express (A), 964 increased Ca uptake in vascular tissue and

increased Ca uptake in vascular tissue and elevated platelet cytosolic free Ca in ethanol induced hypertensive rats (A), 1068
IRMA detn. of intact parathyrin evald. in normal children and in patients with various disorders of Ca metab. (SN), 1999
osteocalcin concens. in plasma prepared with different anticoagulants (SN), 281
performance characteristics of Beckman
Synchron CX*7 clinical system for detn. of Na, K, chloride, CO₂, urea nitrogen, glucose, Ca, and creatinine (A), 974
turbid serum as an analytical medium: Ca

turbid serum as an analytical medium: Ca detn. as a model (A), 944 two part Ca analysis on the Ciba Corning 550 Express[®] analyzer (A), 968

Calculous disease investigation of urinary crysals by Fourier transform infrared microscopy (SN), 83

transform infrared microscopy (SIV), 66

Calibration
See also Quality control
calibration of assay techniques for thyrotropin:
examn. by multivariate analysis (A), 1044
concn. dependence of immunoturbidimetric
"dose-response" curves (A), 1033
definition of "reportable range": statistical

confirmation of calibration curve extrapolation on Kodak Ektachem analyzers

demonstration of long-term stable performance of Kodak Ektachem DT (A), 973

973
direct calibration for detg. Al in bone and soft tissues by graphite furnace AAS (SN), 461 evaln. of new calibrators for creatine kinase MB isoenzyme on Baxter Stratuse (A), 912 evaln. of recombinant human thyroid

stimulating hormone for use as calibrator and control in immunoassays (A), 942 evaln. of Serasub[®], a substitute for human and mammalian blood products for making calibrators and controls for drugs of abuse (A) 1000

(A), 1909 fibrinogen assays: collaborative study of 6 methods (SN), 714 granulated dry powder bicarbonate reagent for automated analyzers with long calibration stability (A), 976
photosensitive solutions useful for calibration

of blood gas instruments (A), 949

statistical confirmation of the number of calibrator levels required for Kodak Ektachem analyzers (A), 959 Syva EMIT® 2000 carbamazepine assay (A),

Syva EMIT® 2000 phenobarbital assay (A),

Syva EMIT® 2000 phenytoin assay (A), 1015 verification of plasma-based calibrators for use with Stratus® creatine kinase-MB assay (A),

Calibration materials

See also Control materials, Quality control

omparison of intact and mid-molecule parathyroid hormone meas, with nephrogenous cyclic adenosine monophosphate, a bioassay for parathyroid function (A), 939

Cancer
adreno-medullary hypertension: review of
syndromes, pathophysiology, diagnosis, and
treatment (8), 1849
alterations of serum lipids in breast cancer:

effects of disease acty., treatment, and hormonal factors, 2193

normonal factors, 2193 carcinoembryonic antigen in serum of patients with colorectal polyps: correlation with histology and smoking status, 651 choriogonadotropin-mediated thyrotoxicosis in a man (CR), 1127

clinical trial of ultrasensitive prostate-specific antigen (A), 1024 comparison of nucleic acid hybridization and

cytol. examn. for detection of human papillomavirus infection, and evaln. of two comm. available hybridization kits (SN), 260 comparison of screening data on prostate-specific antigen versus digital rectal

examination (A), 1050 competitive particle concn. fluorescence immunoassay for measuring 5,10-dideaza-5,6,7,8-tetrahydrofolic acid (lometrexol) in serum (SN), 254

development and validation of immunoradiometric assay of parathyrinrelated protein in unextracted plasma, 678 establishment of ref. interval for β₂-microglobulin in CSF with use of two

β₂-microglobulin in CSF with use of two comm. assays (SN), 104 evaln. of Stratus CEA assay (A), 965 free and bound malondialdehyde measured as thiobarbituric acid adduct by HPLC in serum and plasma (SN), 1423 GCDFP-70 protein in cyst fluid identified as albumin and used to classify cysts in women with breast gross cystic disease, 547 increases in CA 125 concns. in children (L), 2018

LD, CK, and their isoenzymes in pleural effusions 1909 mol. basis of cancer suppression by human

tumor suppressor genes (A), 600 novel method for quantg. $\alpha(1\rightarrow 3)$ -L-fucosyltransferase acty. in serum, 2081

plasma neopterin as adjunct to C-reactive protein in assessing infection, 2038 plasma protein-bound sialic acid in patients with colorectal polyps of known histology,

pre- and postoperative study of coagulation profile in cancer patients (A), 951 prospective evaln. of CA-549 and CEA in monitoring of breast cancer patients (A),

1054
relationship of selected clin. factors to plasma vitamin A levels in patients with upper gastrointestinal malignancies (A), 956
relationships between "H NMR properties of plasma lipoproteins and cancer, 369 sequential anal. of hepatocarcinogenesis by 2-D polyacrylamide gel electrophoresis (A), 1095.

serum laminin P, in metastatic colon carcinoma (TB), 1795 serum LD 4/5 ratio discriminates between

hepatocarcinoma and secondary liver neoplasia (SN), 1419

serum levels of y-enolase in patients with bronchogenic carcinoma (A), 1055 simple enzyme immunoassay for simultaneous meas. of whole choriogonadotropin molecules and free β-subunits in sera of women with abnormal pregnancies or tumors of the reproductive system, 673

standardization, specificity, and diagnostic sensitivity of four immunoassays for CEA (SN), 231

time-resolved immunofluorometric assay of 17β-hydroxysteroid dehydrogenase in plasma (SN), 1412

unexpected high calcitonin concns. after pentagastrin stimulation (TB), 473 urinary fibronectin fragments (a potential

tumor marker) measured by immunoenzymometric assay with domain-specific monoclonal antibodies (SN), 466 variants of prostate-specific antigen sepd. by concanavalin A (L), 1133

(Washington University Case Conference) CA-125 concns. in malignant and nonmalignant disease (CC), 1968

Candida mannan

development of rapid immunoassay for detection of Candida mannan in serum (A), 1046

Cannabinoids

Abuscreen® Online® immunoassay for cannabinoids in urine on Cobas FARA® II

cannabinoids in urine on Cobas FARA® II analyzer (A), 1007
Abuscreen® Online® immunoassay for cannabinoids in urine on Hitachi 717 automated analyzer (A), 1011
an Abuscreen® Online® immunoassay for THC metabolites in urine on Olympus AU 5121 and 5131 automated analyzers (A),

demonstration of urine matrix effect on EMIT® d.a.u. cannabinoids assay (A), 991

EMIT® II cannabinoid assays, a two-reagent
system for detection of cannabinoids in urine (A), 1005 interference by ritodrine in GC/MS

interterence by ritourine in GC/MS confirmation of delta-9-tetrahydrocannabinol-9-carboxylic acid in urine (L), 1305 interference in GC/MS confirmation of delta-9-tetrahydrocannabinol-9-carboxylic

acid by a secondary tetrahydrocannabinol metabolite (L), 1307 investigation of possible interference by

ibuprofen and naproxen patient samples with EMIT® d.a.u.® assays for amphetamine, barbiturate, benzodiazepines, and cannabinoid (A), 1009 ultrasensitive meas. of

A-9-tetrahydrocannabinol with a High Energy Dynode detector and electron-capture negative chem.-ionization mass spectrometry, 2062

Captopril
effect of captopril on serum lipids, lipoproteins and apolipoproteins in patients with hypertension (A), 927 effect of captopril on serum lipids, lipoproteins

and apolipoproteins in patients with hypertension (A), 927 role of lab. testing in diagnosis of renovascular hypertension (S), 1831

Carbamazepine

automated assays of liposome immunolysis for phenytoin, phenobarbital, and carbamazepin (A), 1015

development of rate nephelometric assay for carbamazepine on Beckman Array® 360 (A),

Syva EMIT® 2000 carbamazepine assay (A), 1005

Carbimazole

thyroperoxidase and microsomal antibody assays in sera from patients with Graves disease (SN), 1777

Carbohydrate antigen clinical evaln. of IMx CA 19-9, automated microparticle enzyme immunoassay for carbohydrate antigen (A), 1056

Carbon dioxide

evaln. of enzymatic CO₂ slide on the Kodak Ektachem 700XR analyzer (A), 970 evaln. of enzymatic CO₂ slides for Kodak

evain. of enzymatic CO₂ sinces for Kodak Ektachem (A), 971 evaln. of the Kodak Ektachem Enzymatic CO₂ method (A), 946 performance characteristics of Beckman

Synchron $CX^{\otimes}7$ clinical system for detn. of Na, K, chloride, CO_2 , urea nitrogen, glucose, Ca, and creatinine (A), 974

Carbon monoxide

simple, sensitive meas. of CO in plasma (SN), 1442

Carbonic anhydrase

arbonic anhydrase
carbonic anhydrase III in serum in muscular
dystrophy and other neurological disorders:
relationship with creatine kinase, 36
dual-label time-resolved fluoroimmunoassay
for simultaneous detection of myoglobin and
carbonic anhydrase III in serum, 2087

Carboxyhemoglobin

absorption spectra of human fetal and adult HbO₂, Hb, HbCO, and methemoglobin, 1633 simple, sensitive meas. of CO in plasma (SN), 1442

Carboxyprimaquine primaquine and carboxyprimaquine detn. by HPLC with electrochemical detection (A),

Carcinoembryonic antigen automated chemiluminescence immunoassay test for carcinoembronic antigen (A), 1051 test for carcinoembronic antigen (A), 105 carcinoembryonic antigen in serum of patie with colorectal polyps: correlation with histology and smoking status, 661 clin. and anal. evaln. of BMD ES 300 immunoassays (A), 1033 clinical utility of Hybri-Cmark in signaling recurrence of colorectal cancer (A), 1057 electrochemiluminescence detection for development of immunoassays and DNA probe assays for clin diagnostics (S) 153

probe assays for clin. diagnostics (S), 1534 evaln. of carcinoembryonic antigen assay on

i IMx (A), 1054
evaln. of Stratus CEA assay (A), 965
fully automated chemiluminescent enzyme
immunoassay for carcinoembryonic antigen (A), 1049

human anti-murine antibody interference in measurement of CEA assessed with a double-antibody enzyme immunoassay, 51

double-annioody enzyme immunoassay, 51 major disagreements between immunoassays of CEA caused by nonspecific cross-reacting antigen 2 (SN), 1736 prospective evaln. of CA-549 and CEA in monitoring of breast cancer patients (A), 1054

1054 rapid, sensitive chemiluminescent enzyme

immunoassay for meas. tumor markers,

1639
results of multicentre collaborative study for analytical evaln. of tumor markers immunoassay (A), 1052 standardization, specificity, and diagnostic sensitivity of four immunoassays for CEA (SN), 231

Carcinogens evaln. of fiber optic antibody-based fluoroimmunosensor for DNA adducts in human placenta samples, 532 high-resolution 2-D electrophoresis in studies of liver toxicol. (A), 1096

Carcinoma can enzyme anal. of prostatic fluid help identify men with carcinoma of the prostate? (A), 1057

can protein analysis of prostatic fluid help identify men with carcinoma of prostate? (A), 1050

development of an Enzymun-Test® CA 72-4 assay and appln. on recently introduced ES 300 instrument (A), 1020 enzyme assay for quant. meas. of serum

cytokeratins in carcinoma (A), 1051 Carcinoma-associated mucins evaln. and comparison of mucin breast cancer assays (A), 1053

Cardiac disease

See Heart disease Cardioplegia human plasma ionized magnesium meas. during cardiopulmonary bypass with novel ion-selective electrode: possible relationship to hypotension after cardioplegia and coronary spasm post-perfusion (A), 1070

Cardiopulmonary bypass
human plasma ionized magnesium meas.
during cardiopulmonary bypass with novel
ion-selective electrode: possible relationship
to hypotension after cardioplegia and
coronary spasm post-perfusion (A), 1070

Carnitine

effect of experimental ascorbate depletion on plasma and urinary carnitine levels in healthy men (A), 984 ass spectrometry of new fluorinated derivatives of carnitine and acylcarnitines (A), 920

Carnosinase

serum carnosinase activity in disease states (A), 916

Carotenoids

lycopene inhibits growth of HL-60 promyelocytic leukemia cell line (A), 1056 Case conference

-ase conference role of clin, lab. in evaln, of argininosuccinate lyase deficiency (CC), 1384 (Washington University Case Conference) CA-125 concns. in malignant and nonmalignant disease (CC), 1968

nonmalignant disease (CC), 1968

Case report

«/ k index for confirming urinary free light
chain in amyloidosis AL and other plasma
cell dyscrasias (CR), 1122
benign inherited hyperphosphatasemia of
intestinal origin: two cases and brief review
of literature (CR), 1449
choriogonadotropin-mediated thyrotoxicosis in
a man (CR), 1127
detection of abnormal Hb Manitoba and Hb
G-Coushatts during anal for

G-Coushatta during anal. for glycohemoglobin (A_{1c}) by HPLC (CR), 1456 detection of toluenediamines in urine of a

patient with polyurethane-covered breast implants (CR), 756

implants (CR), 756 heterozygous hypobetalipoproteinemia with fasting chylomicronemia (CR), 296 high-dose methadone and the need for drug measurements in plasma (CR), 1651 polyclonal gammopathy with marked increase in serum viscosity (CR), 1788 urinary excretion of free toluenediamines in patient with polyurethane-covered breast

patient with polyurethane-covered breast implants (CR), 2143 2,3-butanediol in plasma from an alcoholic mistakenly identified as ethylene glycol by gas chromatog. (CR), 1453

Catalase

biol. variability of superoxide dismutase, glutathione peroxidase, and catalase in blood, 1932

serum catalase: reversibly formed charge isoform of erythrocyte catalase, 2043

Catalytic vs immunoreactivity of enzymes

S-troponin T in suspected ischemic myocardial injury compared with mass and catalytic concns. of S-CK-MB (SN), 1405

time course of changes in pancreatic enzymes, isoenzymes, and isoforms in serum after endoscopic retrograde cholangiopancreatography, 1602

Cataracts
effect of diabetes on free polyol pattern in
cataractous lenses (SN), 686

Cataractous tenses (SN), 606

Catecholamines
adreno-medullary hypertension: review of
syndromes, pathophysiology, diagnosis, and
treatment (S), 1849
advances in catecholamine and metabolite
measurements for diagnosis of
pheochromocytoma (S), 1854

catecholamine sulfates as internal stds. in HPLC detns. of sulfoconjugated catecholamines in plasma and urine, 196 urinary excretion of catecholamine metabolites by patients with nephroblastoma (Wilms' tumor) (A), 1055

Cathepsin D
cathepsin D concn. in breast cancer cytosols:
correlation with biochem., histol., and clin.

findings (SN), 101
evaln. of immunoradiometric assay for
cathepsin D concentration in breast and endometrial tumors (A), 1055 immunoradiometric assay of pS2 protein in breast cancer cytosols (SN), 1759

Cathepsin G

effect of elastase and cathepsin G neutral proteinases from human polymorphonuclear neutrophils on creatine kinase and lactate dehydrogenase isoenzymes (A), 915

rapid, sensitive chemiluminescent enzyme immunoassay for meas. tumor markers, 1639

cDNA

efficient cloning and expression in Escherichia coli of single-chain antibody specific for phenobarbital (A), 1061

Ceftriaxone

displacement of phenytoin from serum protein carriers by antibiotics: studies with ceftriaxone, nafcillin, and sulfamethoxazole (SN), 98

Celiac disease IgA anti-gliadin antibodies in adult celiac disease, 647

Centrifugal analyzer
See also specific analyte of interest
development of antithrombin III chromogenic
assay and evaln. on centrifugal analyzer (A), 963

963
differences in vancomycin levels detn. by Syva
EMIT and Abbott TDx immunoassays on
adult and pediatric specimens (A), 991
effect of diluent vol. on detns. of enzyme actys.
with the Cobas-Bio analyzer (TB), 2011
effect of plasma triglyceride concns. on

effect of plasma triglyceride concns. on accuracy of immunoturbidimetry of apolipoprotein B (SN), 748 enzymatic method for meas. ethylene glycol with a centrif. analyzer (SN), 1734 four methods compared for detg. plasma creatinine with the Monarch centrifugal analyzer (TB), 474

interference-free method for glycated proteins in serum and whole blood, based on a

boronate reagent (S), 1520 potential problem with standardization of prealbumin (transthyretin) results in

immunoturbidimetry (L), 588 quantifying bone and liver alk. phosphatase by

resolution of two-component inactivation data obtained with a centrif. analyzer, 347

data obtained with a centrif. analyzer, 347 quantifying intermediary metabs. in whole blood after deproteinization with sulfosalicylic acid (SN), 728 salicylate assay designed for use on Du Pont Dimension® clin. chem. system (A), 1003 use of chem. denaturation for centrifugal analyzer detn. of LD-1 (L), 1464 usefulness of Cornish-Bowden equation to determine some kinetic constants of thrombins, 52938 (A) 951

thrombin-S2238 (A), 951

Centrifugation, two-dimensional evaln. of the Abbott vision for stat chem. profiles (A), 979

Cephalosporin creatinine PAP adaptation on the Beckman Synchron CX5 system avoids interference from three cephalosporin drugs (A), 933

Cephatriaxone nterference of Rocephin in salicylate detn. by Dupont aca (A), 934

Cerebral vascular disease

total plasma homocysteine detn. in subjects with premature cerebral vascular disease (L), 126

Cerebrospinal fluid analysis of low and middle molecular weight proteins in CSFs by SDS-PAGE (A), 1064 capillary electrophoresis-new clin. tool (R),

carboxyterminal propeptide of type I procollagen in CSF in childhood and in children with leukemia undergoing

intrathecal treatment, 1365 detection and identn. of meningitis-causing bacteria using polymerase chain reaction (A), 1059

(A), 1059 detn. of urinary/CSF protein using Boehringer Mannheim/Hitachi analyzers (A), 1063 establishment of ref. interval for β₂-microglobulin in CSF with use of two comm. assays (SN), 104 evaln. of electrophoresis system for quantification of protein fractions and detection of oligoclonal bands in CSF (A), 977

evaln. of human-based two-level CSF control (A), 981 Fe, transferrin, and ferritin in CSF of children (SN), 263

agnesium and rubidium in CSF of patients with brain tumors, leukemia, or other

with brain tumors, leukemia, or other noncerebral neoplasms and neurological disorders (A), 986 measurement of glucose in CSF with reagent strips and a reflectance photometer (L), 590 microparticle-enhanced nephelometry immunoassay (Nephelia®) for immunoglobulins (5, A, and M, 20 quantn. of virus-specific antibodies in CSF and serum: sensitive and specific detection of antibody synthesis in brain, 1153 rapid, specific enzyme immunoassay of serotonin. 1178

serotonin, 1178

Ceruloplasmin sequential concns. of Cu and ceruloplasmin in serum from preterm infants with rickets and fractures (SN), 556

release of cGMP evaluated as diagnostic tool in cardiac diseases, 186

Chemiluminescence

Abbott Prism: multichannel heterogeneous chemiluminescence immunoassay analyzer

automated chemiluminescence immunoessay test for alpha feto-protein (A), 1055

automated chemiluminescence immunoassa test for carcinoembronic antigen (A), 1051 automated chemiluminescence immun test for CK-MB (A), 1029

automated chemiluminescence test for luteinizing hormone (A), 1018 automated chemiluminescence immunos

test for total IgE (A), 1021

automated chemiluminescent assay for digoxin on Immulite[®] (A), 1042 automated chemiluminescent assay for hCG on Immulite® (A), 1028

automated chemiluminescent assay for total T₃ on Immulite® (A), 1021

on immunite⁽²⁾ (A), 1021 automated chemiluminescent assay for total T₄ on immulite⁽²⁾ (A), 1028 automated chemiluminescent high sensitivity TSH assay for immulite⁽²⁾ (A), 1028 automation of chemiluminescent enzyme immunoassay using ferrite particles (A),

chemiluminescence and radioimmunology compared for 10 allergens (TB), 474 chemiluminescence immunoassay for CA15-3, CA125, CA19-9: evaln. using quality-control sera assayed in interlaboratory survey (A),

chemiluminescent and bioluminescent techniques (S), 1472

chemiluminescent assay of alk. phosphatase using indoxyl derivative as substrate and appln. to enzyme immunoassay and DNA probe assay (A), 1018

chemiluminescent assay of various enzymes using indoxyl derivatives as substrate (A),

ohemiluminescent T₃-uptake assay for use on Immulite[®] (A), 1049 clin. evaln. of Amerlite CK-MB assay (A), 910 clinical evaln. of chemiluminescent

immunoassay for detection of HBsAg in human plasma (A), 1022 development of chemiluminescence

immunoassay for human prolactin for use with Ciba Corning Magic Lite System (A),

enhanced chemilumine cence in filter-based

DNA detection (S), 1527 enhanced chemiluminescent assay of alk. phosphatase and appln. to chemiluminescent enzyme immunoassays (A), 1048

evaln. of automated non-isotopic immunoassay for measurement of serum vitamin B12 (A),

fully automated chemiluminescent enzyme immunoassay for alphafetoprotein (A), 1028 fully automated chemiluminescent enzyme immunoassay for carcinoembryonic antigen (A), 1049

(A), 1049 DMULITE® assay tube approach to heterogeneous ligand assay (S), 1521 in-house chemiluminescence immunoassay for serum aldosterone (A), 1043 performance characteristics of the ACS-180®

automated chemiluminescence system (A), 1033

rapid, sensitive chemiluminescent enzyme immunoassay for meas. tumor markers,

reaction tray and noncontact transfer method for heterogeneous chemiluminescence

immunoassays, 1612 simple solid-phase chemilumenescence assay

for ferritin (A), 1027 multaneous detection of antibodies to HTLV-I and HIV-I by chemiluminescent enzyme immunoassay (A), 1031

thirty-minute quant. chemilumineso assay (A), 1042 ultrasensitive detection of proteins and nucleic acids with chemiluminescence: novel

derivatized 1,2-dioxetane enzyme substrates (S), 1526

Chemiluminescence immunoassay automated chemiluminescence immunoassay for human prolactin (A), 935

automated chemiluminescence immunoassay test for human follicle stimulating hormone (A), 935 automated chemiluminescence immunoassay test for T-uptake (A), 941

automated chemiluminescence immunoassay test for total thyroxine (A), 942 automated chemiluminescent immuno test for total triiodothyronine (A), 941 chemiluminescence immunoassay of

aldosterone in serum (SN), 1987 comparison of four methods for free T₄ (SN), 569

Chemotherapy carboxyterminal propeptide of type I procollagen in CSF in childhood and in children with leukemia undergoing

intrathecal treatment, 1365 topoisomerase II: critical target in cytocidal action of anticancer drugs (A), 908

Chloride
alternative colorimetric methods for serum Cl
analysis on Hitachi 736 (A), 947
evaln. of Roche ion-selective electrode for
meas. chloride in serum or plasma (A), 961
methanol-free chloride for testing on Ciba
Corning 550 Express® analyzer (A), 973
performance characteristics of Beckman
Synchron CX®7 clinical system for detn. of
Na, K, chloride, CO₂, urea nitrogen, glucose,
Ca, and creatinine (A), 974
performance of enzymatic reagent for chloride
detn. in serum and urine (A), 968
rapid detn. of chloride and bromide ions in
serum using cyclicvoltammetric method (A),

serum using cyclicvoltammetric method (A),

sweat Na or Cl? (TB), 112

Cholangiopancreatography time course of changes in pancreatic enzymes, isoenzymes, and isoforms in serum after endoscopic retrograde cholangiopancreatography, 1602

Cholelithiasis inclusion of proteins into Ca oxalate crystals pptd. from urine: a highly selective phenomenon, 1589

Cholestasis Cholestasis
indocyanine green-sulfobromophthalein
pharmacokinetics for diagnosing primary
biliary cirrhnosis and assessing histological
severity, 1688
Cholesterol

abnormal concns. of CII, CIII, and E apolipoproteins among apolipoprotein B-containing, B-free, and A-I-containing lipoprotein particles in hemodialysis patients, 387

analyzing quality-control trends with moving slope charts, 341

slope charts, 341
apolipoprotein B as atherogenic risk indicator
in 30 565 subjects is better than total serum
cholesterol (A), 926
assessment of split-sample proficiency testing
for cholesterol by use of a computer
simulation model, 497
calcn. of high density lipoprotein cholesterol
from total cholesterol, triglycerides, and
apolipoproteins A-1 and B (A), 928
certified ref. material for serum cholesterol
conen. meas. (A), 925
changes in serum cholesterol in patients with
cystic fibrosis before and after I.V.
antibiotics treatment (A), 923
cholesterol distribution between HDL
subfractions HDL₂ and HDL₃ detd. in serum

by discontinuous gradient gel electrophoresis, 1149

electrophoresis, 1149
cholesterol matrix effects in fresh non-frozen
and frozen serum pools (A), 920
cholesterol operational process specifications
for assuring quality required by CLIA
proficiency testing, 1938
comparison of Dupont Analyst and aca for
analysis of cholesterol, triglyceride and
HDL-cholesterol (A), 928
comparison of pptn. methods with vertical
automorphic procedure for HDL, cholesterol

autoprofile procedure for HDL cholesterol meas. (A), 923 concns. of subfraction HDL₂ and lipoprotein A-I in a random population of healthy

subjects, 2111 subjects, 2111
detn. of serum cholesterol by IDMS with a
benchtop capillary GC/MS: comparison with
National Reference System Definitive and

Ref. Methods, 1161 direct comparison of cholesterol in capillar blood specimens—validation and application (A), 927

direct measurement of HDL cholesterol by the Reflotron assay with no manual pptn. step effect of freezing on cholesterol in individual sera (TB), 584

effect of surfactant on cholesterol esterase in

effect of surfactant on cholesterol esterase in enzymatic detn. of cholesterol (A), 928 effect of wt. loss on serum lipoprotein(a) concns. in obese population, 1191 effects of low molecular weight heparine on blood lipids during application in chronic hemodialysis patients (A), 927 evaln. of LDL cholesterol levels obtained using

precipitation reagent (A), 919 evaln, of LDL cholesterol meas, using a pptn. assay (A), 927 evaln. of QuickRead whole-blood cholesterol

assay system for use in primary care (A), 928 factors influencing accuracy of Natl. Ref.

System Ref. Method for total cholesterol,

importance of glycerol blanking in triglyceride assay and LDL cholesterol—calculation for normal and patient specimens (A), 934 influence of intermed. density lipoproteins on accuracy of the Friedewald formula (SN),

1394
ischemic heart disease, serum cholesterol, and apolipoproteins in CAPD (A), 921
isolating and quantg, intermediate and 6-VLDL cholesterol, 1913
lab. process specifications for assuring quality in U.S. National Cholesterol Education Program, 656

Frogram, 656
lack of effect of acute alcohol ingestion on
plasma lipids (TB), 1649
normal HDL and HDL, cholesterol in female
patients on high flux hemodialysis (A), 922
performance characteristics of Reflotron®
HDL cholesterol, K, creatinine, and creatine

hDL cholesterol, N, creatinne, and creatine kinase (A), 973
pptn. with PEG and density-gradient ultracentrifugation compared for detg. HDL subclasses HDL2 and HDL3 (SN), 238
quanto. of LDL cholesterol on Paramax using

quantn. of LDL cholesterol on Paramax using genzyme pptn. reagent (A), 925 quantn. of plasma lipoproteins by ¹H NMR spectroscopy, 377 regulatory mapping of xenobiotic effects in vivo by 2-D electrophoresis (A), 1096 relationship of lipoprotein(a) to variables of coagulation and fibrinolysis in healthy population, 1950 relationships between ¹H NMR properties of plasma lipoproteins and cancer 369

plasma lipoproteins and cancer, 369 serial cholesterol concentrations in public screening program participants (A), 926 use of cholesterol/triglyceride ratio and the Friedewald formula (L), 1132

Cholesterol oxides plasma lipoprotein peroxidation potential: test to evaluate individual susceptibility to

peroxidation (SN), 1756 Cholinesterase

development of thin-film assay for serum cholinesterase using butyrylthiocholine as substrate (A), 966 identn. of atypical cholinesterase variants using succinyldithiocholine substrate (A),

Chondrocalcin

sandwich enzyme immunoassay for chondrocalcin (A), 1029

Choriogonadotropin addition of β-hCG to maternal serum

acquisition of p-nCd to maternal serum screening program to improve detection of Down syndrome (A), 1019 assay of the free β-subunit of choriogonadotropin and its potential value in screening for Down's syndrome evald.,

automated chemiluminescent assay for hCG on Immulite® (A), 1028 automated sandwich enzyme immunoassay for

the meas. of human chorionic gonadotropin

(A), 1018 choriogonadotropin-mediated thyrotoxicosis in a man (CR), 1127 comparison of Baxter Stratus® II and Abbott IMx® systems in the performance of HCG and CK-MB assays (A), 966 comparison of SIAB and SMCC cross-linked

comparison of SIAB and SMCC cross-inneed conjugates for hCG immunoassays (A), 1048 comparison of whole molecule and total β-hCG methods (A), 935 digoxin, hCG and TSH on "Affinity", the immunochemistry analyzer of Becton Dickinson (A), 1025 enzyme-amplified conductimetric immunoassay as applied to human

immunoassay, as applied to human chorionic gonadotropoin (A), 1049 evaln. of automated systems for human chorionic gonadotropin (A), 1033

evaln. of IMx as stat methodology for human chorionic gonadotropin (A), 1045 evaln. of Stratus* II immunoassay system for T_t, thyroid stimulating hormone, and human chorionic gonadotropin (A), 1041 extended range rapid immunoenzymetric assay to measure serum hCG on Affinity

assay to measure serum nCG on Amnity automated immunoassay system (A), 1024 four methods for quantn. of choriogonadotropin (A), 1019 interpretations of 5 monoclonal immunoassays of lutropin and follitropin: normalization with WHO standard, 415

meas. of choriogonadotropin free β-subunit: alternative to choriogonadotropin in screening for fetal Down's syndrome? (E),

medians for intact human chorionic

medians for intact human chorionic gonadotropin during second trimester of pregnancy using automated radial partition immunoassay (A), 940 more on pregnancy tests (L), 477 optical biosensor assay for the quantn. of β-hCG in serum and urine (A), 1024 optical biosensor assay (OBA®) (S), 1502 performance evaln. of automated, random access OPUS® immunoassay system (A), 1037

pitfalls in measuring choriogonadotropin and its free subunits in decomplemented sera

the control of the reproductive system, 673 thirty-minute quant. chemiluminescence hCC assay (A), 1042

urinary gonadotropin peptide as potential marker for ovarian cancer management (A),

Chromatography, affinity affinity chromatog. in developing acridinium ester-labeled antibodies for immunometric

ester-labeled antibodies for immunometric assay of parathyrin (SN), 117 assessment of metabolic control by HPLC method for glycated serum albumin (A), 979 biotin-(strept)avidin system: principles and applns. in biotechnol. (R), 625 characterization of 3-carboxy-4-methyl-5-propyl-2-furanpropionic acid in plasma from patients with chronic renal failure (A), 945 detn. of cyclosporine in capillary blood by affinity column mediated immunoassay on

affinity column mediated immunoassay on aca (A), 998

development and analytical performance of an automated, affinity column mediated immunoassay for digitoxin on Du Pont aca®

discrete clinical analyzer (A), 1007 development of programmable robotics pipetting station for glycohemoglobin analysis (A), 966 evaln. of affinity chromatographic method for

glycated protein and albumin as an indicator of diabetic control (A), 962

fully automated magnetic particle-based heterogeneous immunoassay technology for du Pont Dimension® clin. chem. system (A),

ligand affinity chromatog, sepn. of serum IgG on recombinant Protein G-silica (SN), 882 meas. of glycosylated hemoglobin by rapid electrophoresis (A), 950

Chromatography, capillary detn. of serum cholesterol by IDMS with a benchtop capillary GC/MS: comparison with National Reference System Definitive and Ref. Methods, 1161

Ref. Methods, 1161
efficient extraction of basic, neutral, and
weakly acidic drugs from plasma for anal. by
GC-MS (SN), 1975
2,3-butanediol in plasma from an alcoholic
mistakenly identified as ethylene glycol by
gas chromatogs. (CR), 1453
Chromatography, capillary gas
plasma very-long fatty acid anal. using toxi-lab
thin-layer chromatog. (A), 925
Chromatography, cation-exchange

Chromatography, cation-exchange detn. of creatinine in serum and urine by cation-exchange HPLC (SN), 563 GC/MS assay for multiple drugs of abuse in urine using single cation exchange solid-phase extraction cartridge (A), 1013

Chromatography, column evaln. of hemoglobin A₂ quantn. on Bio-Rad Diamat analyzer system (A), 951

Chromatography, gas meas. of nicotine and cotinine levels in semen by gas chromatog. (A), 995

Chromatography, gas capillary liquid-chromatog, detn. of nicotine and cotinine in urine from passive smokers: comparison with gas chromatog. with N-specific detector (SN), 1276

Chromatography, gas-liquid

nromatography, gas—Iquid
plasma lipoprotein peroxidation potential: test
to evaluate individual susceptibility to
peroxidation (SN), 1756
sensitive, selective, and rapid procedure for
quantg. cocaine in urine (L), 2152
techniques used to detect drugs of abuse in urine: study based on external quality assessment (SN), 442

Chromatography, gel-filtration effect of elastase and cathepsin G neutral proteinases from human polymorphonuclear neutrophils on creatine kinase and lactate

dehydrogenase isoenzymes (A), 915 production, selection, and labeling of monoclonal antibodies anti-retinol binding protein (A), 930

protein (3.7, 500)prostate-specific antigen in serum occurs predominantly in complex with α_1 -antichymotrypsin, 1618

Chromatography, ion-exchange characterization of 3-carboxy-4-methyl-5-propyl-2-furanpropionic acid in plasma from patients with chronic renal failure (A), 945

production, selection, and labeling of monoclonal antibodies anti-retinol binding protein (A), 930

protein (A), 930

Chromatography, liquid
abnormal foetal Hb concentrations may be
responsible for discrepancies in the
assessment of diabetic control by HPLC and
electrophoretic methods for glycated Hb
meas. (A), 1070
analysis of clomipramine and
desmethylchomipramine in serum or pleame

desmethylclomipramine in serum or plasma by high-performance liquid chromatog. (A), 1009

assessment of metabolic control by HPLC method for glycated serum albumin (A), 979 automated analysis of urinary VMA, HVA, and 5 HIAA by gradient HPLC using eight coulometric electrochemical detectors (A),

automated meas. of amylase isoenzymes by double kinetic assay with "blocked" β-2-chloro-4-nitrophenyl maltopentaoside as substrate and with wheat germ inhibitor,

automated sample preparation and simultaneous analysis of four cardioactive drugs in serum (A), 1016 bilirubin-fractions in sera of newborns undergoing phototherapy measured by HPLC and Kodak Ektachem analyzer (A),

clin. utility of cyclosporine concns. detd. in recipients of small-bowel transplant by HPLC and fluorescence polarization

immunoassay (TB), 291 comparison of HPLC, RIA, and EMIT assays for routine monitoring of cyclosporine in whole blood (A), 991

blood (A), 991
coupled HPLC/RIA for zidovudine metabolites
in leucocytes (A), 1018
detection of EBV sequences by HPLC analysis
of PCR amplification products (A), 1059
detg. ethylene glycol by high-pressure liquid
chromatog. (A), 1002
development of simple, sensitive, specific, and
precise micro HPLC method for meas. of
Vitamin A and E in neonatal serum (A), 984
direct HPLC method for quantn. of hydroxy
free radicals using phenyl-N-butyl nitrone
spin trap in biological tissue and blood (A),
1067

1067
effect of elastase and cathepsin G neutral proteinases from human polymorphonuclear neutrophils on creatine kinase and lactate dehydrogenase isoenzymes (A), 915
effect of polypropylene centrifuge tubes on extn. of desipramine from blood (L), 1468
EMIT monoclonal antibody assay evaluated for cyclosporine monitoring in whole blood (A), 989

989
evaln. of Abbott TDx monoclonal cyclosporine
A assay in pediatric cardiac transplant
patients (A), 1014
evaln. of glycated albumin analyzer GAA2000^{cos} by HPLC two-column method and
clin. appln. of glycated albumin (A), 982

evaln. of hemoglobin A2 quantn. on Bio-Rad Diamat analyzer system (A), 951 evaln. of HPLC assay for monitoring monoamine oxidase inhibition in human platelets and plasma (A), 999 feasibility of international standardization of

reasibility of international standardization - glycated hemoglobin meas. (A), 956 five-way comparison of quinidine (A), 1012 free and bound malondialdehyde measured thiobarbituric acid adduct by HPLC in serum and plasma (SN), 1423 HPLC and, of flecainide enantiomers in plasma: comparison with fluorescence (TPL), 111

polarization immunoassay (TB), 111

polarization immunoassay (TB), 111 HPLC analysis of cyclosporine using cyclosporin C as internal standard (A), 1016 HPLC analysis of fluoxetine with fluorescent detection and normal phase separation (A), 007

HPLC detn. of formaldehyde and butyraldehyde using DNPH cartridges (A),

HPLC of rapamycin (TB), 294 human plasma corticosterone detn.: simple and sensitive reversed-phase HPLC-UV method (A), 939

ion-chromatographic detn. of L-tartrate in urine samples (SN), 90 large scale purification of cyclosporine metabolites for assessment of biol. activity

(44), 1007 (1994) iliquid chromatographic assay for the detn. of therapeutic levels of alprazolam and clonazepam in human serum (A), 990 (liquid-chromatog. detn. of nicotine and cotinine in urine from passive smokers:

comparison with gas chromatog. with N-specific detector (SN), 1276 methadone concns. in plasma and their

mechanone concens. In plasma and their relationship to drug dosage, 205 partial purifn. of endogenous digitalis-like compound(s) in cord blood (SN), 277 plasma amino acids analysis by HPLC-UV method with precolumn derivatization using about inthis ground (A). 096

phenyl isothiocyanate (A), 986 primaquine and carboxyprimaquine detn. by HPLC with electrochemical detection (A),

purification of monoclonal defined prostate-

specific antigen by HPIC (part 2) (A), 1052 specine anagen by HPIC (part 2) (A), 1002 quantn. of glutaraldehyde by HPLC (A), 957 serum profiles of steroid hormones in patients with Cushing's syndrome detd. by HPLC/RIA, 1329 simultaneous HPLC detn. of free, conjugated

and sulfated bile acids (A), 920 study on quality control of glycohemoglobin (Hb A_{1c}) analyses using averages of patient data (A), 958

utility of fructosamine in monitoring improvement of glycemic control in poorly controlled diabetics (A), 937

controlled alabetics (A), 937
Chromatography, reversed-phase
See also Chromatography, liquid
age- and sex-related differences in urinary
excretion of norepinephrine, epinephrine,
and dopamine in adults (SN), 875
catecholamine sulfates as internal stds. in

HPLC detns. of sulfoconjugated catecholamines in plasma and urine, 196 detection of abnormal Hb Manitoba and Hb

G-Coushatta during anal. for glycohemoglobin (A_{1c}) by HPLC (CR), 1456 detection, confirmation, and quantn. of benzodiazepines in serum by liquid chromatog, with photodiode-array detection

emergency toxicol. testing (detection, confirmation, and quantn.) of basic drugs in

confirmation, and quantn.) of basic drugs in serum by liquid chromatog, with photodiode array detection (SN), 2124 erythrocytic polyamine detn. by reversedphase liquid chromatog. (SN), 2117 fluoxetine (Prozac®) interference in CN column liquid-chromatog, assays of tricyclic antidepressants and metabolites (L.), 1304 HPLC method compared with modified RIA of cotinine in plasma (SN), 1989 HPLC with enzymatic detection as a candidate Reference Method for serum creatinine, 1669

isocratic reversed-phase HPLC method to meas. pyrimethamine extd. from plasma of infants treated for toxoplasmosis (SN), 1281 micro-quantn. of CsA and its metabolites, and detn. of their spectral absorptivities, 1185

rapid liquid-chromatog, method for simultaneous detn. of plasma prednisone prednisolone, and cortisol in pediatric renal transplant recipients, 643

rapid monitoring of benzodiazepines in clin. samples by on-line column switching HPLC,

simple, optimized liquid-chromatog, method for total hydroxyproline in urine evaluated (SN), 285 toxicol. screening of drugs by microbore HPLC with photodiode-array detection and UV spectral library searches, 1210 urinary neopterin in patients with systemic lupus erythematosus, 47 Chromatography, thin-layer diagnostic and genetic studies in 43 patients with classic cystinuria, 68 effects of maternal diabetes, twins, and amniotic fluid contaminants on Abbott

amniotic fluid contaminants on Abbott

amniotic fluid contaminants on Abbott TDX's FLM assay (A), 922 efficient extraction of basic, neutral, and weakly acidic drugs from plasma for anal. by GC-MS (SN), 1975 improvement in efficiency of Toxi-lab* drug detection system by use of overpressure layer chromatog. (A), 1001 monitoring fetal lung maturity, in high-risk pregnancies (A), 988

pregnancies (A), 988
plasma very-long fatty acid anal. using toxi-lab
thin-layer chromatog. (A), 925
techniques used to detect drugs of abuse in
urine: study based on external quality
assessment (SIN), 442

Promium dioxid.

Chromium dioxide

sensitive, colorimetric enzyme amplification cascade for detn. of alk. phosphatase and appln. to immunoassay of thyrotropin (S),

Chronic fatigue syndrome chronic fatigue syndrome (A), 1102 Chylomicronemia

heterozygous hypobetalipoproteinemia with fasting chylomicronemia (CR), 296

Chylomicrons quantn. of plasma lipoproteins by ¹H NMR spectroscopy, 377

Circadian rhythm direct RIA of 6-sulfatoxymelatonin in plasma with use of an iodinated tracer, 536

Circulating immune complexes clin. evaluation of murine mRF-IC ELISA kit, excellent correlation to disease activity of SLE (A), 1020

Cirrhosis

indocyanine green-sulfobromophthalein pharmacokinetics for diagnosing primary biliary cirrhosis and assessing histological

binary currious and assessing instological severity, 1688 neuron-specific enolase concus. in serum in benign liver diseases (SN), 579 serum LD 4/5 ratio discriminates between hepatocarcinoma and secondary liver neoplasia (SN), 1419

Citrate lyase role of ATP-citrate lyase in chronic alcoholics and its effect on lipid metabolism (A), 929

citrulline concns. in human plasma after arginine load (TB), 1287

Clearance, renal See also Creatinine

CLIA '88

improvement of the clin. lab.—regulations, paradigms, and professional responsibilities (L), 770

th, 770
managing a clin. lab. under CLIA (A), 1102
through the glass darkly—labs., the
government, and the year 2001 (A), 898
Clinical Chemist, The,
137, 309, 481, 597, 777, 1141, 1313, 1469,
1662, 1806, 2025, 2165

Clinical chemistry appropriate technol. for developing countries (E), 488

(E), 400 automation, oligonucleotides, and future of solid-phase mol. diagnostics (A), 899 bibliometrics and Clinical Chemistry (L), 303 changing environ. in health care system and

the future effects on clin. lab. (A), 896 clin. chem. in New York at the founding of the AACC: recollection and remembrance (H).

clin. chem. in New York at the founding of the AACC: recollection and remembrance (SM).

clin. pressure points: lab. response for 21st century (A), 896

earlier work overlooked: going Dutch (L), 130

earlier work overlooked; going Dutch (L), 130 enhancing interpretive test reporting; clin. chemists' unsettled perspective (L), 1797 health care in the developing world: need for appropriate lab. technology (R), 490 improvement of the clin. lab.—regulations, paradigms, and professional responsibilities (L), 770

(L), 770 through the glass darkly—labs., the government, and the year 2001 (A), 898 understanding life as chemistry (A), 891 understanding life as chemistry (S), 1895 who is still a clin. chemist? (L), 1798

Clomipramine

analysis of clomipramine and desmethylclomipramine in serum or plasma by high-performance liquid chromatog. (A), 1009

therapeutic drug monitoring of clomipramine in obsessive-compulsive disorder (A), 994

Clonazepam liquid chromatographic assay for the detn. of therapeutic levels of alprazolam and clonazepam in human serum (A), 990

Clonidine

advances in catecholamine and metabolite measurements for diagnosis of pheochromocytoma (S), 1854

isotopic and nonisotopic assays of somatotropin compared: re-evaln. of cutoff value in provocative tests (SN), 273

Clotting See Coagulation

Coagulation detn. of coagulation factor XIII by new

photometric method (A), 950 development of human recombinant tissue factor-based prothrombin time reagent (A),

dry-reagent technol. for rapid, convenient measurements of blood coagulation and fibrinolysis, 520

nbrinolysis, 520 fibrinogen assays: collaborative study of 6 methods (SN), 714 modified whole blood recalcification time monitors subclinical hypercoagulability (A), 952

952
one-step chromogenic equiv. of APTT evald. for clin. appln. (SN), 1235
pre- and postoperative study of coagulation profile in cancer patients (A), 951
relationship of lipoprotein(a) to variables of coagulation and fibrinolysis in healthy population, 1950
storage stability of citrate blood samples for coagulation analyses (A), 952

detn. of cobalt in urine by gas chromatog. mass spectrometry using nickel as internal standard (A), 983

Cocaine

Abuscreen® Online® immunoassay for cocaine metabolite in urine on Cobas FARA® II

metabolite in urine on Cobas FARA® II analyzer (A), 1006
Abuscreen® Online® immunoassay for cocaine metabolite in urine on Olympus AU 5121 and 5131 automated analyzers (A), 1000 accuracy, precision, and interferences of 3 modified EMIT® procedures for detg. serum phenobarbital, urine morphine, and urine cocaine metabolite with a Cobas-Fara™ (TD), 4130 (TB), 2139

evaln. of two-reagent emit assays for opiates, barbiturates, and cocaine metabolite on Hitachi 737 analyzer (A), 1012 importance of lowering the cut-off

concentrations for urine screening and concentrations for urine screening and confirmatory tests for benzoylecgonine/cocaine (A), 993 passive inhalation of cocaine (L), 2160 sensitive, selective, and rapid procedure for quantg. cocaine in urine (L), 2152

Codeine
morphine and codeine concentrations in postmortem blood (A), 1010

Colipase
detn. of serum lipase activity by turbidimetric
method using colipase (A), 910
improved assay for serum lipase on Du Pont
aca® discrete clinical analyzer through
colipase activation (A), 910

bone protein and peptide assays in diagnosis and management of skeletal disease (R), 1143

collagen-linked fluorescence in diabetic and non-diabetic recipients of kidney transplants

detn. of serum level of basement membraneassociated collagen by sandwich ELISA with specific monoclonal antibodies and relation

to diseases (A), 1026 simple, optimized liquid-chromatog. method for total hydroxyproline in urine evaluated (SN), 285

Colon cancer

colon cancer
carcinoembryonic antigen in serum of patients
with colorectal polyps: correlation with
histology and smoking status, 651
clinical utility of Hybri-Cmark in signaling
recurrence of colorectal cancer (A), 1057
serum laminin P₁ in metastatic colon
carcinoma (TB), 1795

Colorimetry
See also Spectrophotometry, Spectroscopy
alternative colorimetric methods for serum Cl
analysis on Hitachi 736 (A), 947

application of p-aminohippuric acid method to Cobas Mira (A), 983 characterization of Na-selective optode

membranes based on neutral ionophores and assay of Na in plasma, 1350 colorimetric detn. of K in plasma/serum with Reflotron using dry-chemistry reagent (A),

colorimetric reagent for assay of urea (L), 1804 correlation of Synchron CX® Ca reagent on Synchron CX3/4/5 vs atomic absorption (A), 975

97b O-dimer SPIA: quant. 5-minute immunoassay for D-dimer (A), 1040 development of antithrombin III chromogenic assay and evaln. on centrifugal analyzer (A), 963

effects of serum-isolated vs synthetic bilirubin—albumin complexes on dye-binding methods for estg. serum albumin (SN), 1269 evaln. of Biotrol urine (CSF) protein reagent

on IL Monarch (A), 963 evaln. of the Organon Teknika MDA:180 hemostasis and thrombosis analyzer (A), 981

981 glycation of human serum albumin in long-term incubation with low and high concentrations of glucose (A), 1061 immobilisation of barley oxalate oxidase onto alkylamine glass for detn. of urinary oxalate

(A), 914 increased on-board stability for the magnesium procedure used on Olympus AU5000[®] series of chem. analyzers (A), 962

AUS000-series of chem. analyzers (A), 902 Kodak Ektachem total bilirubin and neonatal bilirubin meas. in newborns—is distinction clin. relevant? (A), 987 meas. of porphobilinogen in urine by simple resin method with a surrogate std. (SN), 2133

modified anal. for C1q as protein-bound hydroxyproline in euglobulin fraction of serum (L), 2013

multicenter evaln. of kinetic assay for detn. of N-acetyl-β-D-glucosaminidase in urine (A),

multicentre evaln. of chromogenic method for antithrombin III detn. using undiluted plasma on Boehringer Mannheim/Hitachi analysis systems (A), 952

new enzymatic assay for creatinine in blood, serum, and urine for Reflotron® system (A),

new kinetic colorimetric method for serum lipase assay evaluated (A), 915 novel solid-phase assay of ketone bodies in urine, 1565

urine, 1909
one-step chromogenic equiv. of APTT evald.
for clin. appln. (SN), 1235
performance characteristics of enhanced direct
bilirubin procedure for use on Olympus
AU5000⁵⁸ series of analyzers (A), 968
performance characteristics of new liquid-

stable serum iron procedure for Olympus Reply (A), 982

ref. values for improved colorimetric method for detn. of fructosamine (A), 964 sensitive, colorimetric enzyme amplification cascade for detn. of alk. phosphatase and appln. to immunoassay of thyrotropin (S),

versatile, non-clotting-based heparin assay requiring no instrumentation, 832

Competitive binding inhibition assay characterization and appln. of recombinant human thyroid peroxidase expressed in cultured Chinese hamster ovary cell (A),

Competitive protein-binding assay See also Radioassay

Complement
pitfalls in measuring choriogonadotropin and
its free subunits in decomplemented sera
(L), 1467

Computers

omputers
assessment of split-sample proficiency testing
for cholesterol by use of a computer
simulation model, 497
computer program to assist in detection and

classification of monoclonal gammopathies (A), 954

(A), 504 computer system for clin. pathology consultations (A), 954 computerized method for validating lab. ref. ranges for T₃ and T₄ immunoassays (SN),

ranges for 1, and 1, Immunoassays (SN), 438 development of spreadsheet template for comparison of methods according to NCCLS EP9 guidelines (A), 953 graphic reporting format for maternal serum alpha-fetoprotein and comprehensive "P.A.C.E. profile" (A), 953 HCFA's new PT rules: using computer models to predict steady-state percentage of labs. in categories "successful," "probation," and "suspended" (A), 954 implementation of NCCLS and alternative method-evaln. protocols (S), 1528 linearity verification software with errorchecking data entry, concurrent onscreen graphical presentation, and NCCLS statistical criteria for DOS-based computers (A), 953 (A), 953

passing (old) CAP vs. (new) HCFA proficiency testing requirements: predicting the likelihood of "adverse action" (shutdown) (A), 955

PC-compatible spreadsheet template for performing general lab. calculations (A), 953 performance of CORE®-M, Havab®-M and performance of CORE®-M, Havab®-M and HBsAg assays run together using IMx Select® technology (A), 965 visualizing biomolecular interactions (A), 607 Congenital disorders See Heritable disorders

Connective tissue diseases logistic-regression model for assessing portal

hypertension by measuring hyaluronic acid (hyaluronan) and laminin in serum, 30 Control materials

detn. of product shelf life and activation energy for five drugs of abuse, 398 evaln. of aqueous blood gas electrolyte control (A), 978

(A), 978
evaln. of recombinant human thyroid
stimulating hormone for use as calibrator
and control in immunoassays (A), 942
prepg. concn. gradient of serum components
by freezing and thawing (SN), 1225
prevalance of non-A, non-B hepatitis/hepatitis

C virus antibody in lab. quality-assurance sera (A), 955

Copper

otope dilution gas chromatog.—mass spectrometry detn. of copper in biol. samples (A), 984

routine anal. of copper and iron in liver by inductively coupled plasma emission spectroscopy (A), 983

spectroscopy (AA, 983) sequential concns. of Cu and ceruloplasmin in serum from preterm infants with rickets and fractures (SN), 556 urinary and plasma iron and copper in acute heatstroke victims pre- and post-treatment (A), 986

Coproporphyrin quant. fluorometric screening test for fecal porphyrins, 826

Coronary artery disease evaln. of LDL cholesterol meas. using a pptn. assay (A), 927

Corrections 886, 1448, 1967

886, 1448, 1967
rapid detection of 1717-1G→A mutation in
CFTR gene by PCR-mediated site-directed
mutagenesis (TB), 1967
Corticosteroid-binding globulin
salivary testosterone and plasma total,
non-sex-hormone-binding globulin-bound,
and free testosterone in normal and hirsute
women during dexamethasone/synthetic
corticotropin treatment, 180
Corticosteroids

Corticosteroids human plasma corticosterone detn.: simple and sensitive reversed-phase HPLC-UV method (A), 939 time-integrated meas. of corticosteroids in saliva by oral diffusion sink technol., 1166

clin. and anal. evaln. of BMD ES 300 immunoassays (A), 1033

immunoassays (A), 1033 development, validation, and certification by isotope dilution GC–MS of lyophilized human serum Ref. Materials for cortisol (CRM 192 and 193) and progesterone (CRM 347 and 348), 540 interdependence of non-sex-hormone-binding globulin-bound testosterone and cortisol (L), 1461

1461
novel applicn. of streptavidin—hapten
derivatives as protein—tracer conjugate in
competitive-type immunoassays involving
biotinylated detection probes, 58
performance of Cedia® cortisol assay on the
Fisher/IL Monarch® (A), 942
rapid liquid-chromatog. method for
simultaneous detn. of plasma prednisone,
prednisolone, and cortisol in pediatric renal
transplant recinients, 643

transplant recipients, 643 steroid characteristics of mineralocorticoid

adrenocortical hypertension (S), 1843 time-integrated meas. of corticosteroids in saliva by oral diffusion sink technol., 1166

Cortisone

time-integrated meas. of corticosteroids in saliva by oral diffusion sink technol., 1166

Cotinine

development of TDx*/ADx* fluorescence polarization immunoassay for detection of cotinine in human urine (A), 1002 enzyme immunoassay for detn. of cotinine in urine or serum (A), 1035 HPLC method compared with modified RIA of cotinine in plasma (SN), 1989 liquid-chromatog, detn. of nicotine and cotinine in urine from passive smokers: comparison with gas chromatog, with N-specific detector (SN), 1276 meas. of nicotine and cotinine levels in semen by gas chromatog. (A), 995 coulometric titration

Coulometric titration
rapid detn. of chloride and bromide ions in
serum using cyclicvoltammetric method (A),
949

Counterimmunoelectrophoresis See Immunoelectrophore

C-peptide

correlation between fasting and glucagon-stimulated plasma C-peptide values in diabetes mellitus (A), 1069

Creatine kinase

anal. performance of Reflotron creatinine, creatine kinase, and K in physician office

labs. (A), 973
automated chemiluminescence immunoassay
test for CK-MB (A), 1029
automated detn. of CK acty, in serum with use
of thermostable glucokinase (SN), 452
carbonic anhydrase III in serum in muscular
intertective that the activation of the control of th

dystrophy and other neurological disorders: relationship with creatine kinase, 36 cardiac troponin T in diagnosis of acute myocardial infarction, 845 CK linearity vs diluent on Ektachem 700 (A),

933
CK-MB (A), 1041
CK-MB mass determinations in non-traumatic alcoholic rhabdomyolysis (A), 1023
CK-MI (gA complex as cause of markedly elevated serum CK acty, in a child (A), 914
clin. evaln. of Amerlite CK-MB assay (A), 910
comparison of Baxter Stratus® II and Abbott IIMx® systems in the performance of HCG and CK-MB assays (A), 966
complexes of CK and immunoglobulins in serum identified by nonimmune binding

serum identified by nonimmune binding

serum identined by nonimmune binding method, 173 detection of myocardial reperfusion by rapid serial CK-MB or total CK assays (A), 909 diagnostic value of CK-MB percentage of total CK in scute myocardial infarction (A), 912 discordant results for CK-MB between

immunoprecipitation and electrophoresis methods (A), 916

methods (A), 916 effect of elastase and cathepsin G neutral proteinases from human polymorphonuclear neutrophils on creatine kinase and lactate dehydrogenase isoenzymes (A), 915 evaln. of Abbott LD-1 isozyme system (A), 916 evaln. of Amerlite CK-MB immunoassay (A),

evaln. of Boehringer Mannheim Reflotron creatinine, creatine kinase, and K in outpatient clinic (A), 964

evaln. of new calibrators for creatine kinase MB isoenzyme on Baxter Stratus® (A), 912 guidelines for interpreting CK-MB relative index value (A), 916 interactions among anti-creatine kinase monoclonal antibodies and creatine kinase isoforms: differential inhibition and anti-

isoforms: differential inhibition and antiinhibition (A), 916

LD, CK, and their isoenzymes in pleural
effusions, 1909
macromolecular CK type 1: serum marker
assocd, with disease, 430
meas. of creatine kinase in plasma, serum, and
whole blood with Reflotron system (A), 917
myoglobin and CK-MB tests for the diagnosis
of acute myocardial infarction in emergency room patients (A), 978
performance characteristics of Reflotron®

performance characteristics of Reflotron®
HDL cholesterol, K, creatinine, and creatine
kinase (A), 973
prognostic value of rate of decline of CK and
MB-isoenzyme acty. after acute myocardial
infarction (L), 2155

Stroponin T in suspected ischemic myocardial injury compared with mass and catalytic concns. of S-CK-MB (SN), 1405 serum CK 2 (CK-MB) in myocardial infarction:

serum CK 2 (CK-MB) in myocardial infarction: measure activity, percentage of total CK, or both? (L), 305 in the control of the

statistical criteria for separate ref. intervals: race and gender groups in creatine kinase,

use of creatine kinase-MB and MB isoforms for non-invasively assessing reperfusion after thrombolytic therapy in acute myocardial

infarction (A), 913
verification of plasma-based calibrators for use
with Stratus® creatine kinase-MB assay (A), 912

Creatinine

anal. performance of Reflotron creatinine, creatine kinase, and K in physician office labs. (A), 973

labs. (A), 973
conc.. of urinary hydroxyproline/creatinine,
and Ca/creatinine in normal and
osteoprortic women in early
postmenapousal period (A), 937
creatinine determination in veterinary
medicine with Reflorron® system (A), 1065
creatinine PAP adaptation on the Beckman
Synchron CX5 system avoids interference
from three cephalosporin drugs (A), 933
detn. of creatinine in serum and urine by

detn. of creatinine in serum and urine by cation-exchange HPLC (SN), 563 evaln. of Boehringer Mannheim Reflotron creatinine, creatine kinase, and K in outpatient clinic (A), 964 evaln. of eight urine assays on Ciba Corning

550 Express (A), 964 fluorescein interference with urinary

creatinine and protein measurements (L), 1799

from methods compared for detg. plasma creatinine with the Monarch centrifugal analyzer (TB), 474 HPLC with enzymatic detection as a candidate Reference Method for serum creatinine,

importance of creatinine analyses of urine when screening for abused drugs, 1927

interferences in current methods for meas creatinine (SN), 695

creatinine (SM), 695 more on interference of bilirubin in creatinine detn. by Hitachi analyzers (L), 1460 new enzymatic assay for creatinine in blood, serum, and urine for Reflotron® system (A),

performance characteristics of Beckman Synchron CX*7 clinical system for detn. of Na, K, chloride, CO₂, urea nitrogen, glucose, Ca, and creatinine (A), 974 performance characteristics of Reflotron®

HDL cholesterol, K, creatinine, and creatine

kinase (A), 973
predictive, error-compensating kinetic method for enzymatic quantn. of creatinine in

synthetic soluble bilirubin derivative to assess interference in creatinine measurements (SN) 236

ultrafiltration of serum to eliminate bilirubin interference in kinetic Jaffé detn. of creatinine (TB), 2010

utilitarian procedure to avoid bilirubin interference on creatinine assays (A), 932

Critical-care medicine

plasma neopterin as adjunct to C-reactive protein in assessing infection, 2038

Cross reactivity See antigen-antibody system of interest

Crystal matrix protein
inclusion of proteins into Ca oxalate crystals pptd. from urine: a highly selective phenomenon, 1589

Crystalluria

investigation of urinary crysals by Fourier transform infrared microscopy (SN), 83 CSF

See Cerebrospinal fluid

Cushing syndrome

serum profiles of steroid hormones in patients with Cushing's syndrome detd. by HPLC/RIA, 1329

Cutoff value

anal. for commonly abused drugs in urine at selected threshold ("cutoff") concns. (L),

diagnostic and prognostic utility of phospholipase A acty. in patients with acute pancreatitis: comparison with amylase and lipase, 356

lipase, 356
erythrocyte protoporphyrin screening test for
low Pb exposure in children: impact of
lowering the B-Pb action threshold, 216
isotopic and nonisotopic assays of
somatotropin compared: re-evaln. of cutoff
value in provocative tests (SN), 273
quantn. of lipoprotein(a) in dried blood spots
and screening for above-normal
lipoprotein(a) concns. in newborns (SN), 706
release of CGMP evaluated as diagnostic tool in
cardiac diseases. 186

cardiac diseases, 186

urinary fibronectin fragments (a potential tumor marker) measured by immunoenzymometric assay with domain-specific monoclonal antibodies (SN), 466

Cyanocobalamin See Vitamin B₁₂

Cyclamate

synthetic sweetener cyclamate as potential source of false-pos. TDx amphetamine results (L), 2016

Cyclic AMP See cAMF Cyclophilin

detn. of cyclosporine by competitive binding assay with cyclophilin, 403

Cyclosporine
Abbott TDx "selective" assay overestimates
CsA in whole blood (L), 1657
abbrev. kinetic profiles in area-under-thecurve monitoring of cyclosporine therapy,

anal. performance of EMIT™ cyclosporine assay evald. (SN), 2130 clin. utility of cyclosporine concns. detd. in recipients of small-bowel transplant by HPLC and fluorescence polarization in the cyclosporial concentration. immunoassay (TB), 291 comparison of HPLC, RIA, and EMIT assays for

routine monitoring of cyclosporine in whole blood (A), 991

cyclosporine in whole blood: comparison of two non-isotopic immunoassays with 125 IRIA (A), 1004

(A), 1004
cyclosporine monoclonal immunoassays: FPIA
vs RIA (L), 2016
detn. of cyclosporine by competitive binding
assay with cyclophilin, 403
detn. of cyclosporine in capillary blood by
affinity column mediated immunoassay on
aca (A), 998

EMIT monoclonal antibody assay evaluated for cyclosporine monitoring in whole blood (A),

evaln. of Abbott TDx monoclonal ass cyclosporine in whole blood (TB), 1120 evaln. of Abbott TDx monoclonal cyclosporine A assay in pediatric cardiac transplant patients (A), 1014

evaln. of new cyclosporine monoclonal antibody fluorescent polarization immunoassay in cardiac and renal transplants (A), 990 evaln. of statistical technique for predicting

cyclosporine nephrotoxicity in heart transplant recipients (A), 1008 evaln. of TDx cyclosporine whole blood assay with Cyclo-Trac SP-whole blood RIA (A),

evaln. of the TDX® monoclonal cyclosporine assay and comparison to other immunos methods (A), 1013

HPLC analysis of cyclosporine using cyclosporin C as internal standard (A), 1016 large scale purification of cyclosporine metabolites for assessment of biol. activity

(A), 1067
micro-quantn. of CsA and its metabolites, and
detn. of their spectral absorptivities, 1185
monoclonal and oligoclonal gammopathies in
heart-transplant recipients, 1334
performance evaln. of EMIT cyclosporine assay

(A), 990
results of a national collaborative study for analytical evaln. of cyclosporine immunoassay (A), 957
role of lipoproteins in transport of

role of apoprousins in transport of immunosuppressive agents (A), 924 specific assay for cyclosporine on the Du Pont aca* discrete clin. analyzer—case for no extraction (A), 1023

specific meas. of cyclosporine A concns. in whole blood: comparison of RIA and fluorescence polarization immunoassay (A),

994
specific meas. of cyclosporine concns. in whole blood: RIA and FPIA compared (L.), 2150 specific measurements of cyclosporin A in kidney, heart, and liver transplant patients by RIA with monoclonal antibody and ¹⁹I tracer (A), 1019
therapeutic monitoring of cyclosporine by pharmacokinetic studies (E), 1891
two specific immunoassays of cyclosporine compared in liver transplant recripients (L).

compared in liver transplant recipients (L), 2020

Cystic fibrosis

changes in serum cholesterol in patients with cystic fibrosis before and after I.V. antibiotics treatment (A), 923

detecting multiple CF mutations by PCR-mediated site-directed mutagenesis (SN), 753 rapid detection of 1717-1G→A mutation in

rapid detection of 1717-1G→A mutation in CFTR gene by PCR-mediated site-directed mutagenesis (TB), 1967 rapid detection of 1717-1G → A mutation in CFTR gene by PCR-mediated site-directed mutagenesis (TB), 1447

recent advances in the mol. pathol. of cystic fibrosis (A), 903

serum concentrations of fat soluble nutrients in children with cystic fibrosis (A), 988 simple, rapid detection of PCR heteroduplexes in DNA mutations and polymorphisms (TB), 2142

reat Na or Cl? (TB), 112

Cystic neoplasm
cyst fluid CA 125 and relative viscosity in diagnosis of mucinous cystic neoplasms of pancreas (A), 1052 Cystinuria

diagnostic and genetic studies in 43 patients with classic cystinuria, 68

Cytokeratins enzyme assay for quant. meas. of serum tokeratins in carcinoma (A), 1051

Cytokines RIA of interleukin-6 in plasma, 1691 Cytomegalovirus

ytomegalovirus
development of a multiplexed polymerase
chain reaction assay for detection of human
cytomegalovirus DNA (A), 1060
evaln. of Abbott IMx automated analyzer,
qual. method for detection of
cytomegalovirus IgM antibodies (A), 1046
improved emplification of gettymegalovirus

cytomegatovirus igm annothes (A), 1046 improved amplification of cytomegalovirus DNA from urine after purification of DNA with glass beads, 1945 monoclonal and oligoclonal gammopathies in heart-transplant recipients, 1334 quantn. of virus-specific antibodies in CSF and serum: sensitive and specific detection of antibody synthesis in brain, 1153

Cytosol aminopeptidase

two cases of cytosol aminopeptidase–immunoglobulin complex (L), 1132

D-dimer

D-dimer SPIA: quant. 5-minute immunoassay for D-dimer (Å), 1040 **Data handling**

ata nanding estimating performance characteristics of qual.-control procedures when error persists until detection, 1720 likelihood ratios and graphical methods for

assessing clinical test performance (A), 953

logistic-regression model for assessing portal hypertension by measuring hyaluronic acid (hyaluronan) and laminin in serum. 30

PC-compatible spreadsheet template for performing general lab. calculations (A), 953 quantifying bone and liver alk. phosphatase by resolution of two-component inactivation data obtained with a centrif. analyzer, 347 quantn. of plasma lipoproteins by ¹H NMR spectroscopy, 377

Debrisoquine

relation between debrisoquine oxidation phenotype and morphol., biol., and pathol. variables in a large population, 327

Deferoxamine

protection of oxygen free radical-induced lipid peroxidation of liver lysosomes by deferoxamine (A), 1066

Dehydroepiandrosterone longitudinal assessment of changes in reproductive hormones during normal pregnancy, 667

Dehydroepiandrosterone sulfate

automated FPIA for DHEAS using Abbott IMx analyzer (A), 937 solid-phase enzyme immunoassay for serum

dehydroepiandrosterone sulfate using microtiter wells (A), 942

Delta check improved delta check method for detecting specimen misidentification (A), 956

Densitometry
See also Reflection densitometry
modified gradient gel electrophoresis method
for anal. of high density lipoprotein particles (A), 920

Dermatomyositis

glucocorticoid receptors in normal leukocytes: effects of age, gender, season, and plasma cortisol concns., 1715

Desigramine

esipramine
development of TDx assay for analysis of
imipramine and desipramine in patient
plasma or serum (A), 1006
effect of polypropylene centrifuge tubes on

extn. of desipramine from blood (L), 1468 meas. free desipramine in serum by ultrafiltration with immunoassay (A), 1016

Desmethylclomipramine

analysis of clomipramine and desmethylclomipramine in serum or plasma by high-performance liquid chromatog. (A),

Desmethylimipramine

comparison of serum from red-top and experimental serum separator gel tubes in assay of tricyclic antidepressants (A), 994

Dextran in vitro and in vivo effects of hypertonic saline/Dextran-70 on protein detns. in serum or plasma (L), 1801

Diahetes

abnormal foetal Hb concentrations may be responsible for discrepancies in the assessment of diabetic control by HPLC and electrophoretic methods for glycated Hb meas. (A), 1070 acid Hb electrophoresis and glycohemoglobin bands (TB), 582

albuminuria and diabetic nephropathy: an evolving story (E), 2027 albuminuria vs urinary total protein for detecting chronic renal disorders (W), 621

detecting chronic renal disorders (W), 621 aldose reductase inhibitors for treatment of diabetes mellitus (A), 900 analytical evaln. of "one touch" meter (A), 968 anti-asialoglycoprotein receptor antibody and intestinal-origin alk. phosphatase in plasma in diabetes (L), 589 association between urinary N-acetyl-β-glucosaminidase and its isoenzyme patterns and microangiopathy in type 1 diabetes mellitus (A), 1696 borderline increases in albumin excretion rate and the relation to glycemic control in subjects with type I diabetes, 2048 clin. validation of 2nd-generation fructosamine assay (SN), 1252

assay (SN), 1252 collagen-linked fluorescence in diabetic and non-diabetic recipients of kidney transplants (A), 1068

(A), 1068
correlation between fasting and glucagonstimulated plasma C-peptide values in
diabetes mellitus (A), 1069
detection of abnormal Hb Manitoba and Hb
G-Coushatta during anal. for
glycohemoglobin (A_{Ic}) by HPLC (CR), 1456

development and clin. appln. of automated fructosamine/glucose analyzer (FGA-1500)

(A), 900 diabetic nephropathy: a disease causing and complicated by hypertension (S), 1838 effect of diabetes on free polyol pattern in cataractous lenses (SN), 686

cataractous lenses (SN), 686
effect of hyperglycemia on plasma Na and K
concn. (TB), 293
effect of long-term exercise training on
microvascular risk factors associated with
diabetic nephropathy in obese (diabetic)
Zucker rat (A), 1066
effects of maternal diabetes, twins, and
exercise in duid extensioners on Abbett

amniotic fluid contaminants on Abbott
TDX® FLM assay (A), 922
evaln. of affinity chromatographic method for

evain. of almity chromatographic method for glycated protein and albumin as an indicator of diabetic control (A), 962 evaln. of glycated albumin analyzer GAA-2000th by HPLC two-column method and clin. appln. of glycated albumin (A), 982 evaln. of glycated Hb with the REP system (A),

evaln. of Primus CLC 330 glycohemoglobin assay and application to gestational diabetes (A), 976 feasibility of international standardization of

reasionity of international scandardization of glycated hemoglobin meas. (A), 956 Fructosamine Test-Plus, modified fructosamine assay evaluated (SN), 552 fructosamine testing: usefulness in a diabetic outpatient clinic population (A), 938

increased thrombomodulin values in plasma of diabetic men with microangiopaphy (SN),

269
insulin pump implantation for diabetes
mellitus (A), 901
inter-laboratory comparison of glycated
hemoglobin results: college of American
pathologists survey data (A), 956
interlab. comparison of glycohemoglobin
results: College of American Pathologists
survey data (SN), 1725
investigation of 7.20 kb BgIII HLA-DQA1
restriction fragment length polymorphism
in insulin-dependent diabetes mellitus (A),
1058 1058

longitudinal study of magnesium, manganese, and zinc in blood components from Type I diabetic children (A), 984

pancreas transplantation for type I diabetes (A), 902

plasma lipoprotein peroxidation potential: test to evaluate individual susceptibility to peroxidation (SN), 1756 predictors of microalbuminuria in adolescents with insulin-dependent diabetes mellitus

(A), 1070

(A), 1070
quant. meas, of urinary human albumin in
diabetic patients by turbidimetric
immunoassay (A), 1061
raised 24-h urinary excretion of digitalis-like
factor in type 1 diabetics: linkage with
hypertension? (A), 941

serum angiotensin-converting enzyme in patient with sarcoidosis and diabetic

patient with sarcoidosis and diabetic retinopathy (A), 917 short- and long-term monitoring of blood glucose in diabetes mellitus (A), 900 urinary excretion of glycated protein detd. with a specific RIA, 504 utility of fructosamine in monitoring improvement of glycemic control in poorly controlled diabetics (A), 937

comparison of four free T₄ methods with FT₄ by equilibrium dialysis (A), 940

Dialysis patients

bialysis patients
See also Hemodialysis
abnormal concns. of CII, CIII, and E
apolipoproteins among apolipoprotein
B-containing, B-free, and A-l-containing
lipoprotein particles in hemodialysis
patients, 387
evaln. of bedside detection of residual

glutaraldehyde in hospital dialysis unit (A), 959

hyaluronic acid in end-stage renal failure treated by haemodialysis (A), 944

Diaphorase enzyme immunoassay using thermostable diaphorase as marker enzyme (A), 1048

Diazepam enzymatic digestion, solid-phase extn., and GC/MS of derivatized intact oxazepam in urine, 1595

Diazo reaction

total bilirubin: development of new chemical method (A), 948

Dichloroindophenol

electrochem. enzyme immunoassay for phenytoin by flow-injection anal. incorproating a redox coupling agent (SN),

Dideazatetrahydrofolic acid competitive particle concn. fluorescence immunoassay for measuring 5, 10-dideaza-5,6,7,8-tetrahydrofolic acid (lometrexol) in serum (SN), 254

Diet-related effects

net-related enects dietary fat and polyunsaturated/saturated fat ratio influences serum lipids in old, female, non-human primates (A), 929 hypercholesterolemia: diet, aging, and genes as effectors of LDL receptor acty. (A), 892

Diethylstilbestrol

I-radioligand assay for serum diethylstilbestrol (A), 1039

Diffraction grating optical biosensor assay (OBA®) (S), 1502

Diffusion barrier

Ca sensor improvements on the IL Phoenix® chem./electrolyte analyzer (A), 944

Digitalis

partial purifn. of endogenous digitalis-like compound(s) in cord blood (SN), 277 presence of endogenous digitalis-like factors in human milk (A), 941

raised 24-h urinary excretion of digitalis-like factor in type I diabetics: linkage with hypertension? (A), 941

Digitoxin

bigitoxin development and analytical performance of an automated, affinity column mediated immunoassay for digitoxin on Du Pont aca® discrete clinical analyzer (A), 1007 prepn. of specific antiserum to digitoxin by using digitoxin hemisuccinate-bovine serum albumin conjugate at the digitoxose C-3′ position (L), 476

Digitoxose

prepn. of specific antiserum to digitoxin by using digitoxin hemisuccinate—bovine serum albumin conjugate at the digitoxose C-3' position (L), 476

Digoxin
Al phthalocyanine-streptavidin: sensitive fluorescent tracer for immunoassay (SN),

approaches to minimizing interference by cross-reacting molecules in immunoassays (R), 144 automated chemiluminescent assay for digoxin

automated chemiluminescent assay for digoxin on Immulite® (A), 1042 automated digoxin assay on IMX® system using soluble reagents and polyelectrolyte interaction as separation means (A), 1046 development of Cedia® Digoxin assay and application to Hitachi® 717 (A), 993 digoxin-like immunoreactivity and plasticizers in hemofiltrate of dialysis patients (A), 931 digoxin-like immunoreactivity in saliva and plasma of pregnant women (L), 135 digoxin-like immunoreactivity in serum from neonates and infants reduced by centrifultrafiltration and fluorescence polarization immunoassay (SN), 94 digoxin, hCG and TSH on "Affinity", the immunochemistry analyzer of Becton Dickinson (A), 1025 effect of digibind on Opus® Digoxin assay (A), 1016

effect of elevated bile acid levels on digoxin measurements using immunoassays (A),

effect of elevated Bile acid levels on digoxin

measurements using immunoassays (A),

electrochemiluminescence detection for development of immunoassays and DNA probe assays for clin. diagnostics (S), 1534 evaln. of the Syva ECP Digoxin assay on FARA

II (A), 975
prolonged effect of Fab fragments on various digoxin immunoassays (A), 1001
relative cross-reactivity of enriched DLIF

isolated from bovine adrenal cortex (A), 1039

temp.-dependent immunoreactive assay to screen for digoxin-like immunoreactive factor(s), 1900

thin-film immunochemical method for meas. of digoxin in human serum (A), 990

Diodes

analytical evaln. of "one touch" meter (A), 968

Dioxetane rapid, sensitive chemiluminescent enzyme

immunoassay for meas, tumor markers, 1639 ultrasensitive detection of proteins and nucleic acids with chemiluminescence: novel derivatized 1,2-dioxetane enzyme substrates (S), 1526

Diphenylhydantoin See Phenytoin

Dipsticks

See also Test strips
dipstick for rapid, simple detection of N-acetylβ-D-glucosaminidase in urine (A), 911

Discrete analysis
See also analyte of interest, Instrumentation, Random-access analysis, etc. direct measurement of HDL cholesterol by the

Reflotron assay with no manual pptn. step (SN), 435

effect of protamine sulfate on the aca heparin assay (TB), 1119 sensitive, colorimetric enzyme amplification

cascade for detn. of alk. phosphatase and appln. to immunoassay of thyrotropin (S),

Diurnal variation See also Circadian rhythm

atomic force microscopy: seeing molecules of lipid and immunoglobulin (S), 1497 automation of electrophoretic techniques for DNA anal. (A), 898

DNA anal. (A), 898 detection of hepatitis B virus DNA in serum by ammonium sulfate fractionation and molecular hybridization (A), 1057 detection of HIV DNA sequences using ligase chain reaction (A), 1059

detection of human apolipoprotein E3, E2, and E4 genotypes by an allele-specific oligonucleotide-primed PCR assay: development and validation (SN), 1263

development and validation (SN), 1263 development of a multiplexed polymerase chain reaction assay for detection of human cytomegalovirus DNA (A), 1060 dithioate DNA as a potential therapeutic drug (A), 615

DNA enzyme immunoassay for detecting products of polymerase chain reaction, 422 electronic imaging for in situ detn. of damage and repair in human skin (A), 604 enhanced chemiluminescence in filter-based

DNA detection (S), 1527 genetic screening of newborns for sickle cell

disease: correlation of DNA anal. with Hb electrophoresis (SN), 454 high-sensitivity laser-induced fluorescence detection for capillary electrophoresis (S),

1492 improved amplification of cytomegalovirus DNA from urine after purification of DNA with glass beads, 1945 PCR and QB replicase amplification (S), 1482 PCR detection of integrated HIV-1 DNA in peripheral blood lymphocytes from infected individuals at various stages of disease (A), 1060 1060

protocol for DNA-based linkage analysis in fragile-X syndrome (A), 1058 rapid diagnosis of familial defective apolipoprotein B-100 by Amplification Refractory Mutation System (SN), 1983 rapid isolation of genomic DNA from whole blood by binding to borosilicate particles (A), 1060

arapid, non-radioactive microtiter plate assay to detect and differentiate PCR amplified HTLV-I and II DNA (A), 1057 sensitive fluorescence method for detecting DNA ligation amplification products (S),

simple, rapid detection of PCR heteroduplexes in DNA mutations and polymorphisms (TB), time-resolved fluorescence detection of enzyme-amplified lanthanide luminescence

for nucleic acid hybridization assays (S),

ultrasensitive detection of proteins and nucleic acids with chemiluminescence: novel derivatized 1,2-dioxetane enzyme substrates

use of PCR to detect DNA contaminants in pharmaceutical recombinant products (S), 1523

DNA fingerprinting computer-assisted anal. of multiple-probe forensics studies using the AMBIS DNA typing system (A), 602 genomic fingerprinting by arbitrarily primed PCR: strain classification and genetic

mapping (A), 605
PCR using tRNA consensus primers produces fingerprints characteristic of genomes (A), 604

DNA probes
Anal. of apolipoprotein E genotypes by the
Amplification Refractory Mutation System
(SN), 241

hotin-(strept)avidin system: principles and applns. in biotechnol. (R), 625 chemiluminescent and bioluminescent techniques (S), 1472

chemiluminescent assay of alk. phosphatase using indoxyl derivative as substrate and appln. to enzyme immunoassay and DNA probe assay (A), 1018 detecting multiple CF mutations by PCR-mediated site-directed mutagenesis (SN),

detection of hepatitis B virus DNA in serum by ammonium sulfate fractionation and molecular hybridization (A), 1057 DNA enzyme immunoassay for detecting products of polymerase chain reaction, 422 DNA methylases as tools (A), 606 DNA probes in the clin. arena (A), 613 electrochemiluminescence detection for development of immunoassays and DNA probe assays for clin. diagnostics (S), 1534 ident. of variant anolipoprotein E by

probe assays for clin. diagnostics (S), 1534 identh. of variant apolipoprotein E by isoelectric focusing and restriction isotyping in type III hyperlipoproteinemia (L), 1308 mol. approaches to infectious disease diagnosis: strengths and pitfalls (A), 608 mol. techniques in diagnosis and definition of genetic diseases (A), 902 mutagenic PCR primers to detect carriers of familial defective apolipoprotein B-100 (SN), 1762

PCR-based method to create a specific mutation as a ref. for oligomelting (TB),

rapid electrochemiluminescence assays of PCR products, 1626 recent progress in in situ hybridization using

radioactive and nonradioactive reporters (A), 606 simplified format for DNA probe-based tests (SN), 248

Dopamine

age- and sex-related differences in urinary excretion of norepinephrine, epinephrine, and dopamine in adults (SN), 875

nan dopamine in adults (ISN), 610

Down syndrome
addition of β-hCG to maternal serum
screening program to improve detection of
Down syndrome (A), 1019
assay of the free β-subunit of
choriogonadotropin and its potential value
in screening for Down's syndrome evald.,
809

meas. of choriogonadotropin free β -subunit: alternative to choriogonadotropin in screening for fetal Down's syndrome? (E),

medians for intact human chorionic gonadotropin during second trimester of pregnancy using automated radial partition immunoassay (A), 940 multi-centre retrospective clinical trial for

prenatal detection of Down syndrome (A), 943

development of fluorescent polarization immunoassay for total doxepins using TDx analyzer (A), 999

Drug assay
See also specific drug of interest, Abused
drugs, Toxicology, etc.
automated procedure for urine pH
measurement (A), 998
automated sample preparation and
simultaneous analysis of four cardioactive

drugs in serum (A), 1016

Clin. pathol. evaln. of nephrotoxicity of cardiovascular agents (A), 1065

competitive particle concn. fluorescence immunoassay for measuring 5,10-dideaza-5,6,7,8-tetrahydrofolic acid (lometrexol) in serum (SN), 254

drug anal. at the 1988 Olympic Winter Games

in Calgary (SR), 1289

effect of polypropylene centrifuge tubes on extn. of desipramine from blood (L), 1468

extn. of desipramine from blood (L), 1468 efficient extraction of basic, neutral, and weakly acidic drugs from plasma for anal. by GC-MS (SN), 1975 emergency toxicol. testing (detection, confirmation, and quantn.) of basic drugs in serum by liquid chromatog, with photodiode array detection (SN), 2124 enzymatic digestion, solid-phase extn., and GC/MS of derivatized intact oxazepam in write 1595.

urine, 1595

interference of serum Hg with Abbott TDx (L),

nicro-quantn. of CsA and its metabolites, and detn. of their spectral absorptivities, 1185 therapeutic drug monitoring revisited (E), 141 toxicol. screening of drugs by microbore HPLC with photodiode-array detection and UV spectral library searches, 1210 use of PCR to detect DNA contaminants in pharmaceutical recombinant products (S), 1523

Drug dependence See Abused drugs, Drug assay, Toxicology

Drug-metabolizing enzymes relation between debrisoquine oxidation phenotype and morphol., biol., and pathol. variables in a large population, 327

Drugs of abuse See Abused drugs, Toxicologo

Duchenne muscular dystrophy See also Muscular dystrophy Dyslipoproteinemia

lipoprotein particles: improved pathophysiol.

approach to diagnosis and treatment of dyslipoproteinemias (A), 893 quant. of lipoprotein(a) in dried blood spots and screening for above-normal lipoprotein(a) oncns. in newborns (SN), 706

Economics of laboratory operation detn. of product shelf life and activation energy for five drugs of abuse, 398 Synchron CX* 4/5 wash concentrate II: reduction of system consumption (A), 969

Ektachem See Multilayer film analysis

Elastase

lastase effect of elastase and cathepsin G neutral proteinases from human polymorphonuclear neutrophils on creatine kinase and lactate dehydrogenase isoenzymes (A), 915 elastase inhibitory acty. in serum of patients with thyroid dysfunction (SN), 108

Electrochemical detection age- and sex-related differences in urinary

age- and sex-related differences in urinary excretion of norepinephrine, epinephrine, and dopamine in adults (SN), 875 automated analysis of urinary VMA, HVA, and 5 HIAA by gradient HPLC using eight coulometric electrochemical detectors (A), 1055

Catecholamine sulfates as internal stds. in HPLC detns. of sulfoconjugated catecholamines in plasma and urine, 196 electrochem. enzyme immunoassay for phenytoin by flow-injection anal.

incorproating a redox coupling agent (SN),

ion-chromatographic detn. of L-tartrate in urine samples (SN), 90 rapid detn. of chloride and bromide ions in serum using cyclicvoltammetric method (A),

Electrochemical techniques
See Ion-selective electrodes, Electrochemistry, Potentiometry

Electrochemiluminescence electrochemiluminescence detection for development of immunoassays and DNA probe assays for clin. diagnostics (S), 1534 rapid electrochemiluminescence assays of PCR products, 1626

Electrochemistry

anal. of ion behavior and potentials in Na*
ion-selective membrane containing methyl monensin, 1375 electrochemiluminescence detection fo

development of immunoassays and DNA probe assays for clin. diagnostics (S), 1534 rapid detn. of chloride and bromide ions in serum using cyclicvoltammetric method (A),

Electrodes
See Ion-selective electrodes

Electrolytes

See also specific electrolyte of interest

anal, of ion behavior and potentials in Na ion-selective membrane containing methyl

monensin, 1375
application of quality-control selection grids to
II. Phoenix® chem./electrolyte analyzer (A),

automated assay for total T₃ on the IMX* system using soluble reagents and polyelectrolyte interaction as separation means (A), 1048 characterization of Na-selective optode

membranes based on neutral ionophores and

assay of Na in plasma, 1350 dry electrolyte-balanced heparinized syringes evaluated for detg. Ca²⁺ and other electrolytes in whole blood (SN), 1730 evaln. of aqueous blood gas electrolyte control (A), 978

evaln. of effects of lyophilized and liquid heparin on meas. of whole-blood electrolytes (A), 945

measuring ionic activity in biological fluids without error caused by the junctions potential due to conventional ref. electrodes (A), 947

motivation for developing optical sensors for blood electrolyte measurements (E), 1319
rapid detn. of chloride and bromide ions in
serum using cyclicvoltammetric method (A),

role of the lab. in evaln. of kidney function (R),

sweat Na or Cl? (TB), 112

Electron capture detection polychlorinated biphenyls in serum or plasma by GC-ECD (A), 1009

Electron impact ionization
evaln. of full-scanning chemical ionization
method for GC/MS analysis of
amphetamines in urine (A), 1000

Electrophoresis

abnormal foetal Hb concentrations may be responsible for discrepancies in the assessment of diabetic control by HPLC and electrophoretic methods for glycated Hb meas. (A), 1070

automation of electrophoretic techniques for DNA anal. (A), 898 discordant results for CK-MB between

ascoroant results for C.A.-M.D between immunoprecipitation and electrophoresis methods (A), 916 electrophoretic procedure for detg. isoenzyme pattern of pancreatic lipase (A), 918 evaln. of Abott LD-1 isozyme system (A), 916 meas. of glycosylated hemoglobin by rapid abottenbewein (A.) 950

electrophoresis (A), 950
specificity of an antibody for precipitating the
MB₁ isoform of creatine kinase-MB (A), 1023

Electrophoresis polyacrylamide gel analysis of !ow and middle molecular weight proteins in CSFs by SDS-PAGE (A), 1064

Electrophoresis, acid acid Hb electrophoresis and glycohemoglobin bands (TB), 582

Electrophoresis, agarose isolating and quantg. intermediate and β-VLDL cholesterol, 1913

restricted electrophoretic heterogeneity of Ig light chain in urine: a cause for confusion with Bence Jones protein, 1570

Electrophoresis, agarose gel agarose gel electrophoresis of alk. phosphatase isoenzymes with wheat germ lectin and fluorogenic substrate (L), 1309

benign inherited hyperphosphatasemia of intestinal origin: two cases and brief review of literature (CR), 1449

CK-MB mass determinations in non-traumatic alcoholic rhabdomyolysis (A), 1023 evaln. of electrophoresis system for quantification of protein fractions and detection of oligoclonal bands in CSF (A),

evaln. of glycated Hb with the REP system (A), GCDFP-70 protein in cyst fluid identified as

albumin and used to classify cysts in women with breast gross cystic disease, 547 lipase isoforms and amylase isoenzymes: assays and appln. in diagnosing acute pancreatitis, 361

panicreautits, 301 monoclonal and oligoclonal gammopathies in heart-transplant recipients, 1334 rapid detection and initial characterization of genetic variants of human serum albumin, 1221

rapid sepn. and quantn. of bone and liver isoenzymes of alk. phosphatase by agarose gel electrophoresis using wheat germ lectin and fluorescent substrate (A), 914

Electrophoresis, capillary capillary electrophoresis—

effect of several factors on electrophoretic mobility of theophylline by capillary electrophoresis (A), 977

rapid serum protein analysis by capillary electrophoresis (A), 1061

Electrophoresis, capillary gel

high-sensitivity laser-induced fluorescence detection for capillary electrophoresis (S),

Electrophoresis, capillary zone high-sensitivity laser-induced fluorescence detection for capillary electrophoresis (S), 1499

Electrophoresis, cellulose restricted electrophoretic heterogeneity of Ig light chain in urine: a cause for confusion with Bence Jones protein, 1570

Electrophoresis, cellulose acetate

monoclonal and oligoclonal gammopathies in heart-transplant recipients, 1334 relationship between presence of monoclonal immunoglobulin IgA, IgG, IgM, K and A chains in serum immunofixation electrophoresis and quant. meas. of these chains on Beckman ARRAY (A), 930

chains on Beckman ARRAY (A), 930

Electrophoresis, gradient gel

cholesterol distribution between HDL

subfractions HDL₂ and HDL₂ detd. in serum
by discontinuous gradient gel

electrophoresis, 1149

modified gradient gel electrophoresis method
for anal. of high density lipoprotein particles
(A) 990

(A), 920

single-spin density-gradient ultracentrif, vs gradient gel electrophoresis for detecting LDL heterogeneity, 853

Electrophoresis, high-performance

high-performance capillary electrophoresis of serum proteins (A), 970

serum proteins (A), 970

Electrophoresis, polyacrylamide gel
See also Electrophoresis, two-dimensional
alk. phosphatase isoenzymes: anal. comparison
of polyacrylamide gel electrophoresis and
isoelectric focusing (A), 909

GCDFP-70 protein in cyst fluid identified as
albumin and used to classify cysts in women
with breast gross cystic disease, 547
isoelectric fosuing electrophoresis of
protein-ligand conjugates: effect of the
degree of substitution (SN, 87
new receptor-binding assay for glycosylated
low-density lipoprotein (A), 928
purification of monoclonal defined prostatespecific antigen by HPIC (part 2) (A), 1052
rapid detection and initial characterization of
genetic variants of human serum albumin,

genetic variants of human serum albumin, 1221

rapid isolation of intermediate-density lipoprotein from serum of patients with type III hyperlipoproteinemia by density gradient ultracentrifugation (A), 921

restricted electrophoretic heterogeneity of Ig light chain in urine: a cause for confusion

ngnt chain in urine: a cause for confusion with Bence Jones protein, 1570 sequential anal. of hepatocarcinogenesis by 2-D polyacrylamide gel electrophoresis (A), 1095

Electrophoresis, two-dimensional characterization of monoclonal IgE lambda paraprotein with immunofixation and lso-Dalt two-dimensional electrophoresis (A), 1062

concn. and two-dimensional electrophoretic analysis of unprocessed human urinary proteins (A), 1063

proteins (A), 1063 high-resolution 2-D electrophoresis in studies of liver toxicol. (A), 1096 "ladder light chain" or "pseudo-oligoclonal" distinctive pattern in urinary immunofixation electrophoresis studies: explanatory hypothesis relating to free polyclonal light chains, 1559 perfluoro-n-decanoic acid toxicity in rat liver: 2-D electrophoretic anal. (A), 1096 regulatory mapping of xenobiotic effects in vivo by 2-D electrophoresis (A), 1096 sequential anal. of hepatocarcinogenesis by 2-D polyacrylamide gel electrophoresis (A), 1096

See Enzyme immunoassay

Emphysema detection of genetic variants of α_1 -antitrypsin with site-specific monoclonal antibodies,

Encephalopathy accumulation of quinolinic acid in uremic serum and its removal by hemodialysis, 159

Endocrine function endocrine functions in sickle cell disease patients (A), 940

Endometrial tumors

evaln. of immunoradiometric assay for cathepsin D concentration in breast and endometrial tumors (A), 1055

endometrial tumors (A), 1055

Endometriosis

quantn. of CA 125 in peritoneal fluid:
inhibition of CA 125 response in a one-step
IRMA and establishment of two-step assay
format (TB), 760

Endosomes

size modn. of hepatic endosomal lipoproteins incubated in vitro (A), 925

Endothelin signif. differences between arterial and venous endothelin-like immunoreactivity in plasma (TB), 2012

Enolase

neuron-specific enolase concns. in serum in benign liver diseases (SN), 579 serum levels of y-enolase in patients with bronchogenic carcinoma (A), 1055

Enteral fluids

massive overdoses with sustained-release Li₂CO₃ prepns.: pharmacokinetic model based on two case studies, 1205

Environmental hazards

nvironmental mazarus lead paint primer: impact of new federal law on residences (A), 1103 multielement anal. of biol. samples by

multielement anal. of biol. samples by inductively coupled plasma—mass spectrometry. Il. rapid survey method for profiling trace elements in body fluids, 210 risk assessment, management and communication of drinking water contamination (A), 1104 toxic response teams (A), 1104 waste injurieration; pro and con. (A) 1103

waste incineration: pro and con (A), 1103 Enzymatic methods nzymatic methods analytical performance of the enzymatic bicarbonate method on CHEMI (A), 948 apparent all, phosphatase acty, in serum measured with phosphorylcholine as substrate (L), 479 assay of pseudocholinesterase on Dimensions®

assay of pseudoctorimeterate and of the clin. chem. system (A), 913
automated enzymatic assay for angiotensinconverting enzyme (A), 915
certified ref. material for serum cholesterol

concn. meas. (A), 925 chemiluminescent and bioluminescent

techniques (S), 1472 cholesterol matrix effects in fresh non-frozen

and frozen serum pools (A), 920 clin. and anal. evaln. of continuous enzymatic

clin. and anal. evain. of continuous enzymati-method for measurement of pancreatic lipase acty. (A), 913 comparison of pptn. methods with vertical autoprofile procedure for HDL cholesterol meas. (A), 923

defects in diagnostic kits for detg. urate in serum (SN), 879

serum (SN), 879
development of kinetic method for serum
bicarbonate using Boehringer
Mannheim/Hitachi analyzers (A), 945
direct comparison of cholesterol in capillary
blood specimens—validation and application
(A), 927

do enzymatic analyses of serum triglycerides really need blanking for free glycerol? (L), 127

easier enzymatic detn. of guanidinoacetic acid in urine (L), 478 effect of captopril on serum lipids, lipoproteins and apolipoproteins in patients with hypertension (A), 927 effect of surfactant on cholesterol esterase in

enzymatic detn. of cholesterol (A), 928

elim. of glucose interference in enzymatic detn. of inulin (L), 2017 enhanced chemiluminescence in filter-based DNA detection (S), 1527

enzymatic fluorometric procedure for phospholipid quantn. with automated microtiter plate fluorometer (SN), 868 enzymatic method for meas. ethylene glycol

with a centrif. analyzer (SN), 1734

enzyme assay for quant. meas. of serum

enzyme assay for quant. meas. of serum cytokeratins in carcinoma (A), 1051 evaln. of direct enzymatic method for meas. of theophylline in serum (A), 1014 evaln. of enzymatic CO₂ slide on the Kodak Ektachem 700XR analyzer (A), 970

Ektacnem 700xK analyzer (A), 970 evaln. of enzymatic CO₂ slides for Kodak Ektachem (A), 971 evaln. of LDL cholesterol meas. using a pptn. assay (A), 927 evaln. of the Kodak Ektachem Enzymatic CO₂ method (A) 046

method (A), 946

method (A), 946
experience with osmolality, osmolal gap and
specific enzymatic ethanol assay (A), 1003
failure of β-glucuronidases to hydrolyze
exogenous morphine glucuronide (TB), 759
five treatments evald. for elimination of
ascorbate interference in enzymatic detn. of

urinary oxalate (SN), 864
HPLC with enzymatic detection as a candidate
Reference Method for serum creatinine,

interference of D-mannose in glucose measurements by glucose oxidase and hexokinase methods (L), 477

interferences in current methods for meas. creatinine (SN), 695

reatinine (514), 695 meas. of β-hydroxybutyrate in urine on Hitachi 705 (A), 947 modified enzyme-based colorimetric assay of urinary and plasma oxalate with improved sensitivity and no ascorbate interference: ref. values and sample-handling procedures (SN), 1229
new enzymatic assay for creatinine in blood,

serum, and urine for Reflotron® system (A), 962

962 new liquid reagent for detn. of ammonia on Cobas⁶⁸ clin. analyzers (A), 947 performance of enzymatic reagent for chloride detn. in serum and urine (A), 968 predictive, error-compensating kinetic method

for enzymatic quantn. of creatinine in serum, 1338 sensitive, colorimetric enzyme amplification cascade for detn. of alk. phosphatase and appln. to immunoassay of thyrotropin (S), 1513

serial cholesterol concentrations in public screening program participants (Å), 926 simple, quant. enzymic assay of galactose in urine (L), 2021

time-resolved fluorescence detection of enzyme-amplified lanthanide luminescer for nucleic acid hybridization assays (S),

Enzyme activity

nzyme activity
adenosine deaminase increased in serum in
toxoplasmosis (L), 2021
apparent alk, phosphatase acty. in serum
measured with phosphorylcholine as
substrate (L), 479
association between urinary N-acetyl-βglucosaminidase and its isoenzyme patterns
and microangiopathy in type 1 diabetes
mellitus (Δ), 1696 mellitus (A), 1696 best buffer for routine alk. phosphatase assays

biol. variability of superoxide dismutase, glutathione peroxidase, and catalase in blood, 1932

cathepsin D concn. in breast cancer cytosols: correlation with biochem., histol., and clin. findings (SN), 101

dipstick for rapid, simple detection of N-acetyl-β-D-glucosaminidase in urine (A), 911 effect of diluent vol. on detns. of enzyme actys. with the Cobas-Bio analyzer (TB), 2011 effects of storage time and temp. on urinary enzymes (SN), 1436

improved direct spectrophotometry for routine detn. of superoxide dismutase acty. (SN), 1993

1993
improved prepn. of hepatic microsomes for in
vitro diagnosis of inherited disorders of
glucose-6-phosphatase system (SN), 739
isopropylidine maltoheptosyl fructofuranoside,
doubly blocked substrate for detn. of
endoamylase acty., 1323
multiple forms of alk, phosphatase in plasma
of hemodialysis patients (E), 783
novel method for quants

novel method for quantg. $\alpha(1\rightarrow 3)$ -L-fucosyltransferase acty. in serum,

relation between debrisoquine oxidation phenotype and morphol., biol., and pathol. variables in a large population, 327

serum catalase: reversibly formed charge isoform of erythrocyte catalase, 2043 simplified assay of galactose-1-phosphate uridyltransferase (L), 2157 utility of serum phospholipase A measurements (L), 1799

Enzyme electrodes

lactate analyzer with continuous blood sampling for monitoring blood lactate during physical exercise (SN), 1978

Enzyme immunoassay abnormal concns. of CII, CIII, and E apolipoproteins among apolipoprotein B-containing, B-free, and A-I-containing lipoprotein particles in hemodialysis patients, 387

modified EMITIM procedures for detg. serum phenobarbital, urine morphine, and urine cocaine metabolite with a Cobas-Fara M

(TB), 2139
adaptation of six new EMIT® TDMS to Ciba
Corning 570 Alliance (A), 1015
adaptation of "torch" panel EIA kits on
Beckman Biomek® (A), 1044
anal. performance of EMITTM cyclosporine assay
evald. (SN), 2130

evald. (SN), 2130
analytical performance of SYVA EMIT urine
drug of abuse assays on Chem1 (A), 997
applien. of Syva EMIT® therapeutic drug assays
to the Ciba Corning 550 Express using
convenience on-board dilution procedures

association between urinary N-acetyl-β-glucosaminidase and its isoenzyme patterns and microangiopathy in type 1 diabetes

and microangiopathy in type I diabetes mellitus (A), 1696 automated immunoassay for prolactin with the Abbott IMx² analyzer (TB), 291 automated sandwich enzyme immunoassay for the meas. of human chorionic gonadotropin

(A), 1018

(A), 1018 automated solid-phase enzyme immunoassay for meas. of free T, (A), 1039 automation of chemiluminescent enzyme immunoassay using ferrite particles (A),

automation of PSA Tandem-E enzyme

immunometric assay on Stratus autoanalyzer (A), 965 Cedia* Total T₃, an automated homogeneous enzyme immunoassay for serum total T₃ (A),

enzyme immunoassay for serum total T₃ (A), 936
chemiluminescent assay of alk. phosphatase using indoxyl derivative as substrate and appln. to enzyme immunoassay and DNA probe assay (A), 1018
clin. evaln. of microparticle enzyme immunoassay for detection of total antibodies to hepatitis A virus (A), 1043
clinical evaln. of an anti-Toxoplasma gondii/IgG ELISA using single-point quant. procedure (A), 1045
clinical evaln. of IMx® CA 125, automated microparticle enzyme immunoassay for cancer antigen CA 125 (A), 1057
clinical evaln. of IMx CA 19-9, automated microparticle enzyme immunoassay for carebohydrate antigen (A), 1056
comparative studies of Abbott IMx® and RIA CA 125 assays: dilution linearity, precision, and sensitivity (A), 1051
comparison of feur fire T, methods with FT₄
by equilibrium dialysis (A), 940
comparison of FUPLC, RIA, and EMIT assays for routine monitoring of cyclosporine in whole blood (A), 991
comparison of re EIA and Delfia assays for

blood (A), 991
comparison of new EIA and Delfia assays for beta-2-microglobulin with B2-micro RIA (A),

comparison of RIA and Abbott IMx results for T₃, T₄, and TSH (A), 1022 concn. of Mn-superoxide dismutase in serum in acute myocardial infarction (SN), 458 demonstration of urine matrix effect on EMIT®

demonstration of urine matrix effect on EMIT^{od}
d.a.u. cannabinoids assay (A), 901
detection of HIV-1 antibodies in urine by
enzyme immunoassay (A), 1021
detn. of detection limits of EMIT drugs of abuse
with Technicon CHEM 1 analyser (A), 1001
detn. of nifedipine (dhydropyridines) in
human serum or urine using STC
micropleta essay (A), 1048

microplate assay (A), 1048 detn. of serum integrins by enzyme immunoassay using monoclonal antibodies (A), 1063

development and analytical performance of an automated, affinity column mediated immunoassay for digitoxin on Du Pont aca® discrete clinical analyzer (A), 1007 development of Cedia® Digoxin assay and application to Hitachi® 717 (A), 993 development of diluted Syva EMIT® D.A.U. testing procedures for the Olympus® Reply (A) 1008

(A), 1008
development of fully automated enzyme
immunoassay for detn. of free T₃ and
application to ES 300 and ES 600 (A), 1047
development of fully automated immunoassay
for estradiol on Abbott IMX²⁰ automated
immunoassay system (A), 1036
development of rapid enzyme immunoassay
system for thyroid function testing (A), 1031
development of total triiodothyronine enzyme
immunoassay in microtifier format (A), 1040

immunoassay in microtiter format (A), 1040 development of two reagent phenytoin EMIT®

development of two reagent pnenytoin EMIT*
homogeneous immunoassay for IL
Monarch® systems (A), 1031
development of two reagent T-uptake EMIT®
homogeneous immunoassay for IL
Monarch® systems (A), 1030

development of two reagent tobramycin homogeneous EMIT® immunoassay for IL Monarch® systems (A), 1030 development of two reagent T, EMIT® homogeneous immunoassay for IL

nomogeneous immunoassay tor LL Monarch® systems (A), 1030 development of two-reagent Gentamicin EMIT® homogeneous immunoassay for IL Monarch® systems (A), 1030 development of urinary phencyclidine assay for Du Pont aca® discrete clin. analyzer (A),

differences in vancomycin levels detn. by Syva
EMIT and Abbott TDx immunoassays on

EMIT and Abbott TDx immunoassays on adult and pediatric specimens (A), 991
DNA enzyme immunoassay for detecting products of polymerase chain reaction, 422 drug screening with EMIT reagents: quant. approach to quality control (SN), 733 effect of drug ingestion on maternal serum alphafetoprotein (A), 934

electrochem. enzyme immunoassay for phenytoin by flow-injection anal. incorproating a redox coupling agent (SN),

EMIT® II phencyclidine two-reagent assay for

detection of phencyclidine in urine on high volume chemistry analyzers (A), 1011 EMIT monoclonal antibody assay evaluated for cyclosporine monitoring in whole blood (A), 989

enhanced chemiluminescent assay of alk. phosphatase and appln. to chemiluminescent enzyme immunoassays (A), 1048

enzyme amplified time-resolved

enzyme ampinied unier-resolved fluoroimmunoassays (A), 1038 enzyme immunoassay for detn. of cotinine in urine or serum (A), 1035 enzyme immunoassay for quantn. of human interleukin 6 (A), 1046 enzyme immunoassay for quantn.

interleukin 6 (A), 1046 enzyme immunoassay screening of α_1 -antitrypsin in dried blood spots from 39 289 newborns, 821 enzyme immunoassay using thermostable diaphorase as marker enzyme (A), 1048 establishment of ref. interval for β_2 -microglobulin in CSF with use of two comm. assays (SN), 104 evaln. of AlA-600 automated enzyme immunoassay system (A), 1037 evaln. of automated non-isotopic immunoassay for measurement of serum vitamin B12 (A), 978

evaln. of Boehringer Mannheim/Hitachi 747 analyzer with EMIT® 700 chemistries (A), 1015

evaln. of carcinoembryonic antigen assay on IMx (A), 1054
evaln. of EMIT theophylline assay on Technicon CHEM 1 analyser (A), 973
evaln. of enzyme immunoassay system for prostatic carcinoma (A), 1053
evaln. of methamphetamine screening kit (A),

evaln. of microparticle enzyme immunoassay

evain. of microparticle enzyme immunoassay for free thyroxine (A), 963 evaln. of nephelometric assay for IgE (A), 1039 evaln. of prolactin assay on the IMx (A), 938 evaln. of Stratus CEA assay (A), 965 evaln. of Stratus II prolactin assay and comparison with Stratus* and Hybritech* Tandem-E prolactin assays (A), 1046

evaln. of SYVA EMIT® ethyl alcohol assay on Hitachi 704 (A), 998

Hitachi 704 (A), 998 evaln. of the Syva EMIT® ethyl alcohol assay on Hitachi 737 (A), 992 evaln. of total T₃ by IMx® microparticle enzyme immunoassay (A), 943 evaln. of two enzyme immunoassays for detection of anti-HIV 1 or anti-HIV 2 and for differentiation between these antibodies

for differentiation between these antibodies (A), 1036 evaln. of two-reagent emit assays for opiates, barbiturates, and cocaine metabolite on Hitachi 737 analyzer (A), 1012 fully automated chemiluminescent enzyme

immunoassay for alphafetoprotein (A), 1028 fully automated chemiluminescent enzyme immunoassay for carcinoembryonic antigen (A), 1049

fully automated steroid determination on the immuno-analyzer ES 300: development and performance of new direct highly sensitive enzyme immunoassay for serum estradiol (A), 1027

fully automated steroid detn. on the immunoanalyser ES300: performance of serum progesterone and testosterone assays (A), 1020

furosemide as displacing agent in assay of total

T₃ (L), 587 graphic reporting format for maternal serum alpha-fetoprotein and comprehensive
"P.A.C.E. profile" (A), 953
human anti-murine antibody interference in

measurement of CEA assessed with a double-antibody enzyme immunoassay, 51

double-antibody enzyme immunoassay, 51 IMMULITE® assay tube approach to heterogeneous ligand assay (S), 1521 immunoassay for low- and high-M, antigens with a dry multilayer film (S), 1525 improved interpretation of enzyme

immunoassay of herpes IgG antibodies by partial correction for cross-reactivity (TB),

IMx® HBe, an automated enzyme

IMx* HBe, an automated enzyme immunoassay for detection of hepatitis Be antigen (A), 1029 incidence of antibody to hepatitis C virus in sera of human subjects in hospital setting as determined by Abbott HCV EIA (A), 1025 increased thrombomodulin values in plasma of diabetic men with microangiopaphy (SN), 269 269

269
interlaboratory comparison of measurements of albumin in urine, 191
meas. of Protein S in plasma, 1708
meas. of soluble GMP-140 and glycocalicin in plasma by enzyme immunoassay with monoclonal antibodies (A), 949
meas. of theophylline in serum: comparison of four analytical systems (A), 1017
meas. of total thyroxine in serum or plasma by thin-film enzyme immunoassay (A), 1034
measuring urinary albumin: precision.

timi-film enzyme ilmininessay (A), 1004 measuring urinary albumin: precision, substances that may interfere, and conditions for sample storage (SN), 2120 microparticle enzyme immunoassay and fluorescence polarization for thyroid evaln. (A), 343

microparticle enzyme immunoassay for detection of antibody to hepatitis Be antigen (A), 1049

(A), 1049
monoclonal antibody based enzyme
immunoassays for the detn. of retinol
binding protein (A), 1062
multicenter evaln. of an enzyme immunoassay
for simultaneous detection of anti-HIV
1/-HIV 2 (A), 1045
multicenter evaluation of a new enzyme
immunoassay for determination of

immunoassay for determination of prothrombin fragment (A), 950 new and improved EMIT® d.a.u.® benzodiazepine assay (A), 998

performance evaln. of EMIT cyclosporine assay (A), 990 performance of EMIT® DAU monoclonal

performance of EMIT® DAU monocional amphetamine/methamphetamine and Coat-A-Count® methamphetamine assay as secondary tests for positive amphetamine screens (A), 1002 performance of 12 Syva EMIT® D.A.U. assays on Ciba Corning 550 Express by convenient on board dilution method (A), 1010 perible his in community thereing scent on the control of the country of the control of the country of the cou

ossible bias in enzymun thyroxine assay o Boehringer Mannheim ES 300 (A), 1025 prevalance of non-A, non-B hepatitis/hepatitis C virus antibody in lab. quality-assurance sera (A), 955

prevalence of non-A, non-B hepatitis/hepatitis C virus antibody in lab. quality-assurance sera, 797

prolactin analysis utilizing Stratus® fluorometric enzyme immunoassay system

quantn. of free secretory component in saliva by enzyme immunoassay (TB), 1287 oy enzyme immunoassay (TB), 1287 quantn. of virus-specific antibodies in CSF and serum: sensitive and specific detection of antibody synthesis in brain, 1153 rapid quantn. of soluble interleukin 2 receptors by the IMX Immunoassay System

(A), 930

rapid self-contained immunoassay for alpha fetoprotein (A), 1034
rapid, sensitive chemiluminescent enzyme

immunoassay for meas. tumor markers, 1639

rapid, specific enzyme immunoassay of serotonin, 1178 relationship of serum estradiol and

progesterone concns. to excretion profiles of their major urinary metabolites as meas. by enzyme immunoassay and RIA, 838 sandwich enzyme immunoassay for chondrocalcin (A), 1029 sensitive, fully mechanized TSH enzyme

immunoassay using streptavidin/biotin technology (A), 1035

technology (A), 103b simple enzyme immunoassay for simultaneous meas. of whole choriogonadotropin molecules and free β-subunits in sera of women with abnormal pregnancies or tumors of the reproductive system, 673

simplified, sensitive enzyme immunoassay detection of benzoylecgonine (A), 1002 simultaneous detection of antibodies to HTLV-I and HIV-I by chemiluminescent

n1LV-1 and n1V-1 by chemiuminescent enzyme immunoassay (A), 1031 solid-phase enzyme immunoassay for serum dehydroepiandrosterone sulfate using microtiter wells (A), 942 Syya EMIT* 2000 carbamazepine assay (A),

Syva EMIT® 2000 gentamicin assay (A), 1010 Syva EMIT® 2000 phenobarbital assay (A),

1005 Syva EMIT* 2000 phenytoin assay (A), 1015 Syva EMIT* 2000 theophylline assay (A), 998 thin-film enzyme immunoassay for meas. of phenobarbital in human serum (A), 1034 thin-film enzyme immunoassay for meas. of

phenytoin in human serum (A), 1035 use of Abbott IMX automation system for replacement of eight RIAs (A), 1026 use of chicken antibodies in enzyme immunoassays to avoid interference by

rheumatoid factors, 411
use of response surface models to optimize
EMIT® method precision on Du Pont aca®
discrete clinical analyzer (A), 1011

Enzyme inhibition assay agarose gel electrophoresis of alk. phosphatase isoenzymes with wheat germ lectin and fluorogenic substrate (L), 1309 aldose reductase inhibitors for treatment of diabetes mellitus (A), 900

angiotensin-converting enzyme detn. in plasma during therapy with converting enzyme inhibitor: two methods compared (SN), 1390

elastase inhibitory acty. in serum of patients with thyroid dysfunction (SN), 108 LD-1 isoenzymes in serum detd. by Na

perchlorate inhibition (L), 1300 Enzyme-linked immunosorbent assay See also Enzyme immunosssay analysis of anti-nuclear antibodies by ELISA technique and correlation with

technique and correlation with immunofluorescent assay profiles (A), 1025 analytical performance of troponin-T ELISA on ES 600 analyzer (A), 1027 anti-plasminogen autoantibody in a patient with recurrent deep vein thrombosis (A),

930

cardiac troponin T in diagnosis of acute myocardial infarction, 845

characterization and appln. of recombinant human thyroid peroxidase expressed in cultured Chinese hamster ovary cell (A),

clin. evaluation of murine mRF-IC ELISA kit, excellent correlation to disease activity of SLE (A), 1020

comparison of one- and two-step ELISA tests for assay of fentanyl in human urine (A), 1014

comparison of two ELISAs of lipoprotein(a) (A),

detection of genetic variants of α_1 -antitrypsin with site-specific monoclonal antibodies, 1606

detn. of serum level of basement membrane associated collagen by sandwich ELISA with specific monoclonal antibodies and relation to diseases (A), 1026 development of an Enzymun-Test® CA 72-4

assay and appln. on recently introduced ES 300 instrument (A), 1020 development of ELISA for estimation of human apolipoprotein A-I in plasma without need for denaturation (A), 923

development of immune complex ELISA kit utilizing murine F(ab')2-IgG1 monoclonal

the training flutine radio 2-1gc i monocional rheumatoid factor, highly specific for human IgG-complexes (A), 1042 evelopment of lipoprotein(a) quantified by ELISA with plasminogen antibodies and apolipoprotein B antibodies (A), 926 development of monoclonal antibody-based ELISA for quantn. of Lp(a) in plasma (A), 918

ELISA for quantn. of LP(a) in plasma (A), 910 development of screening ELISA and confirmatory assay for hepatitis C antibodies based on synthetic peptides (A), 1024 ELISA for detection of apolipoprotein B in human serum and plasma (A), 923

enzyme immunoassay screening of α₁-antitrypsin in dried blood spots from 39

289 newborns, 821 enzyme-linked immunosorbent assay of apolipoprotein E-AII complex in plasma, 1645

1645

evaln. of BMD ES 300 immunoassay analyzer and comparison with EIA, FPIA, and RIA methods (A), 970
high sensitivity ELISA assay for meas. of serum thyroid stimulating hormone (A), 1017
IgA anti-gliadin antibodies in adult celiac disease, 647
measuring RF in nonrheumatoid subjects: immunoturbidimetric assay, latex slide test, and enzyme-linked immunosorbent assay compared (SN), 1766
measuring urinary IgG and IgG, excretion (L).

measuring urinary IgG and IgG, excretion (L),

multicenter evaln. of enzyme-linked immunoassays of follitropin and lutropin in serum or plasma (SN), 1257 new enzyme-linked immunosorbent assay for

glycocalicin in plasma, 169 performance evaln. of automated, random access OPUS[®] immunoassay system (A),

prevalance of non-A, non-B hepatitis/hepatitis C virus antibody in lab. quality-assurance sera (A), 955

prevalence of non-A, non-B hepatitis/hepatitis C virus antibody in lab. quality-assurance

quantn. of lipoprotein(a) in dried blood spots and screening for above-normal lipoprotein(a) concns. in newborns (SN), 706 npoprotein(a) concis. in newborns (SN), 700 quantn. of serum amploid P by enzyme-linked immunosorbent assay (SN), 1742 rapid quantn. of soluble interleukin 2 receptors by the IMX Immunoassay System

serum concns. of lipoprotein(a) during normal pregnancy and postpartum (TB), 2009 vaginal immunodetection of an isoform of fibronectin indicating rupture of amniotic membranes (A), 1041

Enzyme-multiplied immunoassay See Enzyme immunos

Enzyme-immunoglobulin complexes See also Immunoglobulin-enzyme complexes complexes of CK and immunoglobulins in serum identified by nonimmune binding method, 173

two cases of cytosol aminopeptidase–immunoglobulin complex (L), 1132

Enzymes automated enzymatic assay for angiotensin-converting enzyme (A), 915 chemiluminescent assay of various enzymes

using indoxyl derivatives as substrate (A),

effect of elastase and cathepsin G neutral proteinases from human polymorphonuclear neutrophils on creatine kinase and lactate

dehydrogenase isoenzymes (A), 915 immobilisation of barley oxalate oxidase onto alkylamine glass for detn. of urinary oxalate

performance of Cedia® total T₃ assay on Roche Cobas FARA® (A), 944
performance of Cedia® total T₃ assay on Roche Cobas FARA® (A), 944
performance of Microgenics Cedia® T₄ MAb and Tuptake assays on the Coult t₂ Mab and take to the total table to the total table tab

Enzymoimmunoassay See Enzyme immunoassay

trifluoroacetyl derivatives of phentermine and ephedrine yield mass spectra profiles similar to amphetamine and metamphetamine (A),

Epidemiology epidemiology and virology of HIV and related viruses (Å), 894

Epidermal growth factor six methods for direct radioiodination of mouse epidermal growth factor compared: effect of nonequivalence in binding behavior between labeled and unlabeled ligand (SN), 1749

Epilepsy See also Anticonvulsant drugs

Epinephrine

ge- and sex-related differences in urinary excretion of norepinephrine, epinephrine, and dopamine in adults (SN), 875

Epstein-Barr virus detection of EBV sequences by HPLC analysis of PCR amplification products (A), 1059

Errata See Corrections

Erythrocytes
detn. of cyclosporine by competitive binding
assay with cyclophilin, 403
erythrocyte protoporphyrin screening test for
low Pb exposure in children: impact of
lowering the B-Pb action threshold, 216

erythrocytic polyamine detn. by reversed-phase liquid chromatog. (SN), 2117 evaln. of Ves-Matic automated sedimentation rate analyzer (A), 982 fluorescence polarization assay of erythrocyte membrane fluidity on Abbott TDx* analyzer

membrane fluidity on Abbott TDx* analyzer (A), 972
partial purifn. of endogenous digitalis-like compound(s) in cord blood (SN), 277
retrospective time-resolved testing: model
I—time-resolved glycohemoglobin (S), 1531
simplified assay of galactose-1-phosphate
uridyltransferase (L), 2157
³¹P NMR and zero-point titration compared for measuring free Mg concn. in erythrocytes, 2076

Erythropoietin
RIA kit for the quant. meas. of natural and recombinant erythropoietin in serum (A),

Estradiol
Amerlite® Estradiol-60: results obtained during stimulation of ovulation (A), 1047 automated quantn. of estradiol by radial

automated quantn. of estradiol by radial partition immunoassay (A), 936 development of fully automated immunoassay for estradiol on Abbott IMX® automated immunoassay system (A), 1036 fully automated steroid determination on the immuno-analyzer ES 300: development and performance of new direct highly sensitive enzyme immunoassay for serum estradiol (A) 1027

(A), 1027 increased estradiol concn. of unknown origin (L), 2152 longitudinal assessment of changes in

reproductive hormones during normal pregnancy, 667 relationship of serum estradiol and

progesterone concns. to excretion profiles of their major urinary metabolites as meas. by enzyme immunoassay and RIA, 838

Estrogen receptors cathepsin D concn. in breast cancer cytosols: correlation with biochem., histol., and clin.

findings (SN), 101

Estrogens
See also specific estrogen of interest, Steroids
effect of different estrogen-progestin
treatments in post-menopausal women:
impact on lipids and lipoproteins (A), 920
prevention of heart disease by postmenopausal
estrogen replacement (A), 1098

Ethanol

See also Alconol carbohydrate-deficient transferrin in serum: new marker of potentially harmful alcohol consumption reviewed (R), 2029 decrease in ethanol metabolism in sons of

alcoholics and rodent animal model (A), 1066

development of stable liquid reagent for ethanol assay on Cobas[®] clin. analyzers (A), EMIT® ethyl alcohol assay for use on most clin.

analyzers (A), 993 evaln. of SYVA EMIT® ethyl alcohol assay on

evaln. of SYVA EMIT® ethyl alcohol assay on Hitachi 704 (A), 998 evaln. of Syva EMIT Ethyl Alcohol Assay on Hitachi 717 analyzer (A), 970 evaln. of the Syva EMIT® ethyl alcohol assay on Hitachi 737 (A), 992 experience with osmolality, osmolal gap and specific enzymatic ethanol assay (A), 1003 increased Ca uptake in vascular tissue and elevated platelet cytosolic free Ca in ethanol induced hypertensive rats (A), 1068 lack of effect of acute alcohol ingestion on plasma lipids (TB), 1649

Ethylene glycol detg. ethylene glycol by high-pressure liquid chromatog. (A), 1002 development of a liquid C-reactive protein

development of a niquid c-reactive protein quality-control serium stabilized with ethylene glycol (A), 969 enzymatic method for meas. ethylene glycol with a centrif. analyzer (SN), 1734 2,3-butanediol in plasma from an alcoholic mistakenly identified as ethylene glycol by gas chromatog. (CR), 1453

uropium enzyme amplified time-resolved fluoroimmunoassays (A), 1038 novel approach to reduce non-specific binding signal of europium chelate-labeled reagents used in time-resolved fluorometry (A), 1021 Exercise, effects of

effect of long-term exercise training on microvascular risk factors associated with diabetic nephropathy in obese (diabetic) Zucker rat (A), 1066 lactate analyzer with continuous blood

sampling for monitoring blood lactate during physical exercise (SN), 1978

Experimental error See Variation, source of

Factor XIII

detn. of coagulation factor XIII by new photometric method (A), 950

Familial defective apolipoprotein B-100 rapid diagnosis of familial defective apolipoprotein B-100 by Amplification Refractory Mutation System (SN), 1983 Fast analyzer

See Centrifugal analyzer

Fatty acids

Catty acids
See also Lipids, Triglycerides
dietary fat and polyunsaturated/saturated fat
ratio influences serum lipids in old, female,
non-human primates (A), 929
effect of highly unsaturated fatty acids on
lipoprotein metabolism of patients on
chronic hemodialysis (A), 921
fast atom bombardment mass spectrometry of
new fluorinated derivatives of carnitine and
acylcarnitines (A), 920
plasma very-long fatty acid anal, using toxi-lab

plasma very-long fatty acid anal. using toxi-lab thin-layer chromatog. (A), 925

See Food and Drug Administration Feces

evaln. of BM test colon albumin (A), 981 quant. fluorometric screening test for fecal porphyrins, 826

simultaneous HPLC detn. of free, conjugated and sulfated bile acids (A), 920

comparison of one- and two-step ELISA tests for assay of fentanyl in human urine (A), 1014

Ferrioxalate photosensitive solutions useful for calibration of blood gas instruments (A), 949

Ferritin can serum ferritin be effectively interpreted in the presence of the acute-phase response? (E), 484

comparison of ferritin by two non-isotopic methods with IRMA (A), 1038
Fe, transferrin, and ferritin in CSF of children (SN), 263

measurements of serum ferritin used to predict concns. of Fe in bone marrow in anemia of chronic disease (SN), 560

anemia of chronic disease (SN), 300 new extended range, automated, non-isotopic immunoassay for detn. of serum ferritin on Affinity⁶⁰ system (A), 1036 principles and performance of Pharmacia Delphia⁶⁰ for the detn. of ferritin and IgE

(A), 966 simple solid-phase chemilumenescence assay for ferritin (A), 1027

Fertility studies

See also Infertility evaln. of semen parameters affecting hamster

egg penetration assay (A), 967 extn. of human sperm membrane surface components involved in fertilization (A), 930 Fetal status

See also Amniotic fluid, Lecithin

sphingomyelin ratio, etc.
abnormal foetal Hb concentrations may be responsible for discrepancies in the assessment of diabetic control by HPLC and electrophoretic methods for glycated Hb meas. (A), 1070 amniotic fluid fluorescence polarization and

lecithin/ sphingomyelin ratio as predictors for fetal lung maturity (A), 919 amniotic fluid phospholipid "analysis"? (E),

1321

assay of the free B-subunit of choriogonadotropin and its potential value in screening for Down's syndrome evald.,

sous cost-based comparison of semiquantitative screens of fetal and maternal urine for drugs of abuse (A), 1014 effects of maternal diabetes, twins, and

amniotic fluid contaminants on Abbott TDX® FLM assay (A), 922 experience with new fetal lung maturity program (A), 988

program (A), 988 likelihood ratio function to aid in interpretation of TDX FLM results (A), 988 meas. of choriogonadotropin free β-subunit: alternative to choriogonadotropin in screening for fetal Down's syndrome? (E),

meas. of L/S ratio in amniotic fluid by fast atom bombardment mass spectrometry,

nedians for intact human chorionic gonadotropin during second trimester of pregnancy using automated radial partition immunoassay (A), 940 mol. techniques in diagnosis and definition of genetic diseases (A), 902

monitoring fetal lung maturity, in high-risk pregnancies (A), 988 multi-centre retrospective clinical trial for

prenatal detection of Down syndrome (A), 943

rapid diagnosis of rupture of amniotic membrane by immunochemical assay (A),

vaginal immunodetection of an isoform of fibronectin indicating rupture of amniotic membranes (A), 1041

Fetoprotein addition of β-hCG to maternal serum screening program to improve detection of Down syndrome (A), 1019 automated chemiluminescence immunoassay

test for alpha feto-protein (A), 1055
BeriLux® AFP, rapid and sensitive coated tube luminescence immunoassay for detn. of

human AFP (A), 1037 effect of drug ingestion on maternal serum alphafetoprotein (A), 934 electrochemiluminescence detection for

development of immunoassays and DNA probe assays for clin. diagnostics (S), 1534 evaln. of automated assay for AFP in serum and amniotic fluid (A), 1048 evaln. of Stratus automated immunoassay for detn. of AFP concentration in serum and amniotic fluid (A) efforts in serum and employed and services are services and services are services and services

amniotic fluid (A), 965 fully automated chemiluminescent enzy

fully automated chemiluminescent enzyme immunoassay for alphafetoprotein (A), 1028 graphic reporting format for maternal serum alpha-fetoprotein and comprehensive "P.A.C.E. profile" (A), 953 immunometric assay for alpha fetoprotein based on enhanced luminescence (A), 1040 influence of assay method differences on multiple of the median distributions. multiple of the median distributions: maternal serum-α-fetoprotein as an

example, 637

multiple labeling and time-resolvable fluorophores (S), 1486 rapid self-contained immunoassay for alpha fetoprotein (A), 1034 rapid, sensitive chemiluminescent enzyme immunoassay for meas. tumor markers,

results of multicentre collaborative study for

analytical evaln. of tumor markers immunoassay (A), 1052

Fiber optic sensors evaln. of fiber optic antibody-based fluoroimmunosensor for DNA adducts in human placenta samples, 532 motivation for developing optical sensors for blood electrolyte measurements (E), 1319

Fibrinogen

dry-reagent technol. for rapid, convenient measurements of blood coagulation and fibrinolysis, 520

fibrinogen assays: collaborative study of 6 methods (SN), 714 immunoturbidimetric measurement of

fibrinogen in human plasma with two clinical chemistry analyzers (A), 1033 overestn. of albumin in heparinized plasma

(SN), 566 relationship of lipoprotein(a) to variables of coagulation and fibrinolysis in healthy population, 1950

Fibrinolysis

dry-reagent technol. for rapid, convenient measurements of blood coagulation and measurements of blood coagulation and fibrinolysis, 520 relationship of lipoprotein(a) to variables of coagulation and fibrinolysis in healthy population, 1950

Fibroblasts

pathophysiol. of hyperapobetalipoproteinemia: role of basic proteins I, II, III (R), 317

Fibronectin

See also Prealbumin sensitive two-site time-resolved fluorescence immunoassay for fibronectin (A), 1020

urinary fibronectin fragments (a potential tumor marker) measured by immunoenzymometric assay with domain-specific monoclonal antibodies (SN), 466

vaginal immunodetection of an isoform of fibronectin indicating rupture of amniotic membranes (A), 1041

Flame photometry
development of new thin-film Na ion selective
electrode with improved specificity (A), 946
evaln. of enhanced Na'/K' standard and
lithium concentrate for use on Olympus
AU5000[®] flame photometer unit (A), 979 Flecainide

automated sample preparation and simultaneous analysis of four cardioactive drugs in serum (A), 1016 HPLC anal. of flecainide enantiomers in plasma: comparison with fluorescence

polarization immunoassay (TB), 111

Flow cytometry

flow cytometry and sorting: gene regulation and biochem. studies, fluorogenic substrates and other fluorochromes (A), 899 Flow-injection analysis

electrochem. enzyme immunoassay for phenytoin by flow-injection anal. incorproating a redox coupling agent (SN), theophylline detd. by flow injection immunoassay (A), 1002

Fluorescein

fluorescein interference with urinary creatinine and protein measurements (L),

fluorescence polarization assay of erythrocyte membrane fluidity on Abbott TDx® analyzer (A), 972

Fluorescence

assessment of metabolic control by HPLC method for glycated serum albumin (A), 979 collagen-linked fluorescence in diabetic and non-diabetic recipients of kidney transplants

(A), 1068 evaln. of TOSOH AIA-1200 immunoassay system (A), 978

five-way comparison of quinidine (A), 1012 HPLC analysis of fluoxetine with fluorescent detection and normal phase separation (A),

principles and performance of Pharmacia Delphia[®] for the detn. of ferritin and IgE (A), 966

Fluorescence immunoassay

See Fluoroimmunoassay, Immunoassay competitive particle concn. fluorescence immunoassay for measuring 5,10-dideaza-5,6,7,8-tetrahydrofolic acid (lometrexol) in serum (SN), 254 sensitive two-site time-resolved fluorescence

immunoassay for fibronectin (A), 1020

Fluorescence polarization
amniotic fluid fluorescence polarization and
lecithin's sphingomyelin ratio as predictors
for fetal lung maturity (A), 919
development of accurate and precise low-level

analysis of gentamicin using Roche FP reagent (A), 994

reagent (A), 994 effect of elastase and cathepsin G neutral proteinases from human polymorphonuclear neutrophils on creatine kinase and lactate dehydrogenase isoenzymes (A), 915 fluorescence polarization assay of erythrocyte membrane fluidity on Abbott TDx® analyzer (A), 979

interference of serum Hg with Abbott TDx (L),

Fluorescence polarization immunoassay Abbott TDx "selective" assay overestimates CsA in whole blood (L), 1657 assay of phenobarbital by fluorescence polarization on Cobas FARA II® analyzer

(A), 996 automated FPIA for DHEAS using Abbott IMx

analyzer (A), 937 clin. utility of cyclosporine concns. detd. in recipients of small-bowel transplant by HPLC and fluorescence polarization immunoassay (TB), 291 comparison of Abbott fluorescence polarization

comparison of Abbott fluorescence polarization immunoassay and Roche RIA for analysis of benzoylecgonine in urine (A), 1008 comparison of Abbott TDX with Abbott TDxFLx in hospital clin. lab. (A), 1012 comparison of RIA and Abbott IMx results for T₀, T₀, and TSH (A), 1022 comparison of therapeutic drug monitoring by TDxFLx and TDX systems (A), 1000 comparison of Tosoh AIA-1200, Abbott TDx, and Pharmacia Delfia methods for detn. of serum thyroxine (A), 942 cyclosporine monoclonal immunoassave. FDL 4 vs RIA (L) 2002.

cyclosporine monoclonal immunoassays: FPIA vs RIA (L), 2016

vs RIA (L), 2016
detection of propoxyphene in human urine by
use of TDx®/ADx® fluorescence polarization
immunoassay (A), 1011
development of a fluorescence polarization
immunoassay for teicoplanin (A), 994
development of Cedia® Digoxin assay and
application to Hitachi® 717 (A), 993
development of fluorescent polarization
immunoassay for total doxepins using TDx
analyzer (A), 999
development of TDx assay for analysis of
imirramine and desipramine in patient

development of TDx assay for analysis of imipramine and desipramine in patient plasma or serum (A), 1006 development of TDx assays for analysis of amitriptyline and nortripyline in patient serum/plasma (A), 1006 development of TDx*/ADx* fluorescence polarization immunoassay for detection of Cotinine in human urine (A), 1002 direction in the impurpressertifity in serum from

digoxin-like immunoreactivity in serum from neonates and infants reduced by centrif.

neonates and infants reduced by centril.
ultrafiltration and fluorescence polarization
immunoassay (SN), 94
displacement of phenytoin from serum protein
carriers by antibiotics: studies with
ceftriaxone, nafcillin, and sulfamethoxazole

(SN), 98 evaln. of Abbott TDx monoclonal assay of cyclosporine in whole blood (TB), 1120 evaln. of Abbott TDx monoclonal cyclosporine

evain. of Abbott 1Dx monocional cyclosporne A assay in pediatric cardiac transplant patients (A), 1014 evaln. of BMD ES 300 immunoassay analyzer and comparison with EIA, FPIA, and RIA methods (A), 970

evaln. of direct enzymatic method for meas. of theophylline in serum (A), 1014

theophylline in serum (A), 1014
evaln. of new cyclosporine monoclonal
antibody fluorescent polarization
immunoassay in cardiac and renal
transplants (A), 990
evaln. of salicylate method on Kodak
Ektachem 700 analyzer (A), 1013
evaln. of Syva ECP thyroxin and T-uptake
reagents on the Cobas FARA II (A), 938
evaln. of TDx cyclosporine whole blood assay
with Cyclo-Trac SP-whole blood RIA (A),
1043

exploring currently used threshold concns. in drug of abuse testing (A), 993 fluorescence polarization immunoassay for

theophylline (A), 1021 importance of lowering the cut-off concentrations for urine screening and confirmatory tests for

contrmatory tests for benzoylegonine/cocaine (A), 993 meas. of theophylline in serum: comparison of four analytical systems (A), 1017 microparticle enzyme immunoassay and fluorescence polarization for thyroid evaln.

nuorescence polarization for thyroid evain. (A), 943
pentobarbital quantn. in the presence of phenobarbital by fluorescence polarization immunoassay (SN), 1774
specific meas. of cyclosporine A concns. in whole blood: comparison of RIA and fluorescence polarization immunoassay (A),

994
specific meas. of cyclosporine concns. in whole blood: RIA and FPIA compared (L), 2150 synthetic sweetener cyclamate as potential source of false-pos. TDx amphetamine results (L), 2016

two specific immunoassays of cyclosporine compared in liver transplant recipients (L), 2020

validation of candidate RIA reference method for digoxin (A), 999

Fluorocytosine

monitoring 5-fluorocytosine serum concentrations in immunocompromized patients with severe fungal infections (A), 1004

Fluoroimmunoassay
Al phthalocyanine-streptavidin: sensitive
fluorescent tracer for immunoassay (SN),

1285
applications of time-resolved fluorometry in molecular biology techniques (A), 1060 appln. of comprehensive protocol for detection and diagnosis of congenital hypothyroidism in Brazil (A), 935

comparison of Tosoh AIA-1200, Abbott TDx, and Pharmacia Delfia methods for detn. of serum thyroxine (A), 942 development and appln. of monoclonal antibodies to human cardiac myoglobin in a

rapid fluorescence immunoassay, 1356 direct time-resolved fluoroimmunoassay of

progesterone involving biotinylated protein-tracer conjugate and labeled streptavdin (A), tracer conjugate and labeled streptavam (A), 1018
dual-label time-resolved fluoroimmunoassay for simultaneous detection of myoglobin and carbonic anhydrase III in serum, 2087 encapsulation of Eu in liposomes for use in

amplified immunoassay detection system (S), 1519

(S), 1519 enzyme amplified time-resolved fluoroimmunoassays (A), 1038 evaln. of fiber optic antibody-based fluoroimmunosensor for DNA adducts in human placenta samples, 532 evaln. of two automated prolactin assays (A),

interlaboratory comparison of measurements of albumin in urine, 191

multianalyte microspot immunoassay-microanal, "compact disk" of the future, 1955

multiple labeling and time-resolvable fluorophores (S), 1486

novel applicn. of streptavidin–hapten derivatives as protein–tracer conjugate in competitive-type immunoassays involving biotinylated detection probes, 58 principles and performance of Pharmacia

Delphia for the detn. of ferritin and IgE (A), 966

prostate-specific antigen in serum occurs predominantly in complex with α_1 -antichymotrypsin, 1618 total T₃ meas. in serum by time-resolved fluorescence immunoassay (A), 1029

Fluoroimmunosensor

evaln. of fiber optic antibody-based fluoroimmunosensor for DNA adducts in human placenta samples, 532

Fluorometry

angiotensin-converting enzyme detn. in plasma during therapy with converting enzyme inhibitor: two methods compared (SN), 1390

automated anal. of fluorescently labeled PCR fragments (A), 602

automation of PSA Tandem-E enzyme immunometric assay on Stratus autoanalyzer (A), 965

autoanalyzer (A), 960
enzymatic fluorometric procedure for
phospholipid quantn. with automated
microtiter plate fluorometer (SN), 868
evaln. of Stratus CEA assay (A), 965
evaln. of Stratus EI prolactin assay and
comparison with Stratus and Hybritech®

Tandem-E prolactin assays (A), 1046 high-sensitivity laser-induced fluorescence detection for capillary electrophoresis (S), 1492

1492 improved fluorometric detn. of malonaldehyde (SN), 1273 isolation and characterization of Zn coproporphyrin I: major fluorescent component in meconium, 1173 micro-quantn. of CsA and its metabolites, and detn. of their spectral absorptivities, 1185 new fluorometric method for quantn. of glutathione (A), 1065

novel approach to reduce non-specific binding signal of europium chelate-labeled reagents used in time-resolved fluorometry (A), 1021 prolactin analysis utilizing Stratus

fluorometric enzyme immunoassay system (A), 936

quant. fluorometric screening test for fecal porphyrins, 826

porphyrins, 826 rapid sepn. and quantr. of bone and liver isoenzymes of alk. phosphatase by agarose gel electrophoresis using wheat germ lectin and fluorescent substrate (A), 914 sensitive fluorescence method for detecting DNA ligation amplification products (S),

serum carnosinase activity in disease states

time-resolved fluorescence detection of enzyme-amplified lanthanide luminescence for nucleic acid hybridization assays (S), 1506

Fluoxetine

Hoxetine (Prozac®) interference in CN column liquid-chromatog, assays of tricyclic antidepressants and metabolites (L), 1304 HPLC analysis of fluoxetine with fluorescent

detection and normal phase separation (A), 997

folate nutrition in pregnancy and lactation (A), pediatric ref. ranges for vitamin B12 and folate (A), 989

Folic acid See Folate

Follicular fluid

RIA of inhibin based on synthetic human inhibin α-chain peptide, 40

Follitropin

automated chemiluminescence immunoassay test for human follicle stimulating hormone (A), 935

(A), 935 clin. and anal. evaln. of BMD ES 300 immunoassays (A), 1033 interpretations of 5 monoclonal immunoassays of lutropin and follitropin: normalization with WHO standard, 415

with Wild Standard, 410 multicenter evaln. of enzyme-linked immunoassays of follitropin and lutropin in serum or plasma (SN), 1257 radioligand receptor assay for measuring

radiologiant receptor assay for measuring follitropin in serum: appln. to premature ovarian failure, 508 rapid self-contained immunoassay for human follicle stimulating hormone (A), 1034

Forensic medicine

See also Abused drugs, Toxicology computer-assisted anal. of multiple-probe

forensics studies using the AMBIS DNA typing system (A), 602 importance of creatinine analyses of urine when screening for abused drugs, 1927

Formaldehyde
HPLC detn. of formaldehyde and
butyraldehyde using DNPH cartridges (A),

Fragile-X syndrome protocol for DNA-based linkage analysis in fragile-X syndrome (A), 1058 Free radical scavenger enzymes

automation and clin. appln. of xanthine oxidase and free radical scavenger enzymes (A), 1070

Free radicals drug-produced free radicals: anarchy or opportunity? (A), 1099

ructosamine
assessment of metabolic control by HPLC
method for glycated serum albumin (A), 979
clin. validation of 2nd-generation fructosamine
assay (SN), 1252
development and clin. appln. of automated
fructosamine/glucose analyzer (FGA-1500)

(A). 980 effect of impaired glucose and lipid metabolism on serum fructosamine values in Chinese

effect of protein concn. on formation of glycated albumin and fructosamine (TB), 2138

Fructosamine Test-Plus, modified fructosamine assay evaluated (SN), 552 fructosamine testing: usefulness in a diabetic

outpatient clinic population (A), 938
glycation of human serum albumin in longterm incubation with low and high
concentrations of glucose (A), 1061
interference-free method for glycated proteins
in serum and whole blood, based on a

boronate reagent (S), 1520 ref. values for improved colorimetric method

for detn. of fructosamine (A), 964 secondary wavelength to use in fructosamine test performed with Hitachi analyzers (L),

102 serum fructosamine and obesity (L), 2020 utility of fructosamine in monitoring improvement of glycemic control in poorly controlled diabetics (A), 937

effect of diabetes on free polyol pattern in cataractous lenses (SN), 686

Fucosyltransferase

novel method for quantg. $\alpha(1\rightarrow 3)$ -L-fucosyltransferase acty. in serum,

Fungal infections monitoring 5-fluorocytosine serum concentrations in immunocompromized patients with severe fungal infections (A), 1004

Furanpropionic acid

characterization of 3-carboxy-4-methyl-5-propyl-2-furanpropionic acid in plasma from patients with chronic renal failure (A), 945

Furosemide furosemide as displacing agent in assay of total $T_3(L)$, 587

Galactose

simple, quant. enzymic assay of galactose in urine (L), 2021

Galactose-1-phosphate uridyltransferase simplified assay of galactose-1-phosphate uridyltransferase (L), 2157

Galactosemia simplified assay of galactose-1-phosphate uridyltransferase (L), 2157

Galactosidase performance of Cedia® total T₃ assay on Roche Cobas FARA® (A), 944

Gammopathies See also Monoclonal gammopathies Gas

See Blood gases, Breath analysis

See Blood gases, Breath analysis
Gas chromatography
See also Chromatography, gas-liquid
characterization of 3-carboxy-4-methyl-5propyl-2-furanpropionic acid in plasma from
patients with chronic renal failure (A), 945
contemination of breath CH, samples in
sterilized Vacutainer Tubes (L), 2019
evaln. of the Syva EMIT* ethyl alcohol assay on
Hitachi 737 (A), 992
gas chromatog, meas. of acetonitrile in serum
(A), 1015

(A), 1015
polychlorinated biphenyls in serum or plasma
by GC-ECD (A), 1009
quantn. of amphetamine and

methamphetamine in human urine by GC/IR/MS (A), 1004 storage of CH, breath-test samples in plastic syringes (L), 2161

Gas chromatography/mass spectrometry

accumulation of quinolinic acid in uremic serum and its removal by hemodialysis, 159 set thin and its removal by helmonaysis, 159 detection of propoxyphene in human urine by use of TDx*/ADx* fluorescence polarization immunoassay (A), 1011 detection of toluenediamines in urine of a

patient with polyurethane-covered breast implants (CR), 756

detn. of amphetamine, methamphetamine, and other sympathomimetic amines in urine by gas chromatog./mass spectrometry (A), 1001 detn. of cobalt in urine by gas chromatog, mass spectrometry using nickel as internal standard (A), 983

detn. of serum cholesterol by IDMS with a benchtop capillary GC/MS: comparison with National Reference System Definitive and

National Reference System Dennitive and Ref. Methods, 1161 development, validation, and certification by isotope dilution GC-MS of lyophilized human serum Ref. Materials for cortisol (CRM 192 and 193) and progesterone (CRM

347 and 348), 540 effect of diabetes on free polyol pattern in cataractous lenses (SN), 686 efficient extraction of basic, neutral, and

weakly acidic drugs from plasma for anal. by GC-MS (SN), 1975 enzymatic digestion, solid-phase extn., and GC/MS of derivatized intact oxazepam in

GC/MS of derivatized intact oxazepam in urine, 1595 evaln. of full-scanning chemical ionization method for GC/MS analysis of amphetamines in urine (A), 1000 exploring currently used threshold concns. in drug of abuse testing (A), 993 factors influencing accuracy of Natl. Ref. System Ref. Method for total cholesterol, 2053 GC/MS assay for multiple.

GC/MS assay for multiple drugs of abuse in urine using single cation exchange solid-phase extraction cartridge (A), 1013 interference by ritodrine in GC/MS confirmation of

confirmation of delta-9-tetrahydrocannabinol-9-carboxylic acid in urine (L), 1305 interference in GC/MS confirmation of delta-9-tetrahydrocannabinol-9-carboxylic acid by a secondary tetrahydrocannabinol metabolite (L), 1307 isotope dilution gas chromatog.—mass spectrometry detn. of copper in biol. samples (A), 984

isotope dilution mass spectrometry detn. of platinum in biological fluids of cancer patient (A), 993

patient (A), 999 microtechnique for quantg, phenol in plasma by GC-MS (SN), 1739 performance of EMIT* DAU monoclonal amphetamine/methamphetamine and Coat-A-Count* methamphetamine assay as secondary tests for positive amphetamine screens (A), 1002 serum nicotine monitoring as adjunct to

nicotine replacement therapy (A), 1008 trifluoroacetyl derivatives of phentermine and ephedrine yield mass spectra profiles similar to amphetamine and metamphetamine (A), 1003

ultrasensitive meas of A-9-tetrahydrocannabinol with a High Energy Dynode detector and electron-capture negative chem.-ionization mass spectrometry, 2062 Gastric disorders

novel method for quantg. $\alpha(1\rightarrow 3)$ -L-fucosyltransferase acty. in serum,

Gastric juice effect of storage time on peptic acty. in gastric biopsies (L), 1658

Gastroenterology IgA anti-gliadin antibodies in adult celiac disease, 647

GELLAB

See Electrophoresis, two-dimensional Gene probes

onfirmation and differentiation of antibodies to HIV-1 and -2 with a strip-based assay to HIV-1 and -2 with a strip-based assay including recombinant antigens and synthetic peptides (A), 1700 rapid detection of 1717-1G—A mutation in CFTR gene by PCR-mediated site-directed mutagenesis (TB), 1447, 1967

Gene therapy progress in gene therapy (A), 904

Genetic variation anal. of apolipoprotein E genotypes by the Amplification Refractory Mutation System

(SN), 241 detection of genetic variants of a,-antitrypsin with site-specific monoclonal antibod

fast typing of genetic variants of Hb using phastsystem (A), 1063 individual differences in lutropin immunoreactivity revealed by monoclonal antibodies, 333

modified immunoblatting technique for phenotyping lipoprotein(a) (SN), 576 rapid detection and initial characterization of genetic variants of human serum albumin, 1221

1221 relation between debrisoquine oxidation phenotype and morphol., biol., and pathol. variables in a large population, 327 typing of genetic variants of α,-antitrypsin in plasma and from dried blood using phastsystem (A), 1064

Genetics

enetics
See also Heritable disorders
benign inherited hyperphosphatasemia of
intestinal origin: two cases and brief review
of literature (CR), 1449
diagnostic and genetic studies in 43 patients

with classic cystinuria, 68 flow cytometry and sorting: gene regulation and biochem. studies, fluorogenic substrates and other fluorochromes (A), 899

gene regulation with antisense compounds (A), 907

907 genetic anal. of Duchenne muscular dystrophy gene (A), 903 hypercholesterolemia: diet, aging, and genes as effectors of LDL receptor acty. (A), 892 mutagenic PCR primers to detect carriers of familial defective apolipoprotein B-100 (SN),

PCR-based method to create a specific mutation as a ref. for oligomelting (TB), 2137

Gentamicin

See also Sex- and age-related effects development of accurate and precise low-level analysis of gentamicin using Roche FP reagent (A), 994

reagent (A), 994
development of rate nephelometric assay for
gentamicin on Beckman Array* 360 (A), 997
development of two-reagent Gentamicin EMIT*
homogeneous immunoassay for IL
Monarch* systems (A), 1030
effect of gentamicin on plasma pyridoxal-5'phosphate levels with and without vitamin
B6 supplementation in rabbit model (A),
1067

gentamicin assay for the Du Pont Dimension® clin. chem. system using particle enhanced turbidimetric inhibition immunoassay (A).

Syva EMIT® 2000 gentamicin assay (A), 1010

Geriatric chemistry clin. pressure points: lab. response for 21st century (A), 896

physiol. changes with aging (A), 904 unique requirements for therapeutic drug monitoring in the elderly (A), 906

Germanium effects of germanium health supplements in rat (A), 985

Gla protein
bone protein and peptide assays in diagnosis
and management of skeletal disease (R),

osteocalcin concns. in plasma prepared with different anticoagulants (SN), 281

Glass beads immobilisation of barley oxalate oxidase onto alkylamine glass for detn. of urinary oxalate

(A), 914 Glass paper studies on covalent bonding of proteins to glass

paper (A), 962 Gliadin

IgA anti-gliadin antibodies in adult celiac disease, 647 Glomerular filtration

role of the lab. in evaln. of kidney function (R), 785

Glucagon
alterations of serum lipids in breast cancer: effects of disease acty., treatment, and hormonal factors, 2193

Glucocorticoid receptors

glucocorticoid receptors in normal leukocytes: effects of age, gender, season, and plasma cortisol concns., 1715 Glucokinase

automated detn. of CK acty. in serum with use of thermostable glucokinase (SN), 452

analytical evaln. of "one touch" meter (A), 968 basic evaln. of non-wipe type blood glucose meters (A), 983 clin. validation of 2nd-generation fructosamine

assay (SN), 1252

development and clin. appln. of automated fructosamine/glucose analyzer (FGA-1500)

(A), 980 direct anal. of capillary blood glucose with Kodak Ektachem analyzers (L), 307 effect of impaired glucose and lipid metabolism on serum fructosamine values in Chinese

evaln. of affinity chromatographic method for glycated protein and albumin as an indicator of diabetic control (A), 962

of diabetic control (A), 902
evaln. of glycated albumin analyzer GAA2000® by HPLC two-column method and
clin. appln. of glycated albumin (A), 982
evaln. of glycated Hb with the REP system (A),

evaln. of HemoCue β -glucose photometer (A),

evaln. of Lily/Elco direct 30/30 and other blood glucose monitoring devices by comparison with Kodak Ektachem 700 glucose results: effect of interferences (A), 932

goldantian of human serum albumin in long-term incubation with low and high concentrations of glucose (A), 1061 hospital-wide quality-control program for

bedside glucose monitoring (A), 955 implementation of quality assurance program for bedside blood glucose monitoring (A),

inter-laboratory comparison of glycated hemoglobin results: college of American pathologists survey data (A), 956 interference of D-mannose in glucose

measurements by glucose oxidase and hexokinase methods (L), 477 interference of D-mannose, antiglycolytic

nterference of D-mannose, antiglycolytic agent, in glucose detns. (L), 1308 lab. correlation of bedside capillary glucose using filter paper collection (A), 960 measurement of glucose in CSF with reagent strips and a reflectance photometer (L), 590 performance characteristics of Beckman Synchron CX*7 clinical system for detn. of Na, K, chloride, CO₂, urea nitrogen, glucose, Ca, and creatinine (A), 974 rare error in glucose detn. in hemolysate (L)

rare error in glucose detn. in hemolysate (L),

short- and long-term monitoring of blood glucose in diabetes mellitus (A), 900 technique-independent dry-phase system for detn. of plasma glucose in whole blood (A),

964 whole blood glucose analysis evaluated on the APEC glucose analyzer (A), 970

AFEC glucose analyzer (A), 970

Glucose oxidase
interference of p-mannose in glucose
measurements by glucose oxidase and
hexokinase methods (L), 477
whole blood glucose analysis evaluated on the
AFEC glucose analyzer (A), 970

Glucose-6-phosphatase
improved prem of henetic microsomes for in

improved prepn. of hepatic microsomes for in vitro diagnosis of inherited disorders of glucose-6-phosphatase system (SN), 739

Glucuronidase enzymatic digestion, solid-phase extn., and GC/MS of derivatized intact oxazepam in

wrine, 1995
failure of B-glucuronidases to hydrolyze
exogenous morphine glucuronide (TB), 759
Glutamyltransferase

body mass index and liver enzyme acty. in serum (SN), 720 different constructs for expression of mammalian γ-glutamyltransferase cDNAs in Escherichia coli and in Saccharomyces

cerevisiae, 662 effects of storage time and temp. on urinary enzymes (SN), 1436 new liquid reagent for

gamma-glutamyltransferase using Cobas[®] chem. systems (A), 915

Glutamyltranspeptidase comparison of new substrate for gamma-glutamyl transpeptidase with two other substrates (A), 961

substrates (A), 901 Glutaraldehyde evaln. of bedside detection of residual glutaraldehyde in hospital dialysis unit (A), 959

quantn. of glutaraldehyde by HPLC (A), 957 Glutathione

flow cytometry and sorting: gene regulation and biochem. studies, fluorogenic substrates and other fluorochromes (A), 899

new fluorometric method for quantn. of

glutathione (A), 1065 relationship of whole blood and plasma glutathione concentrations to anemia in humans and rats with renal insufficiency (A) 1067

Glutathione peroxidase biol. variability of superoxide dismutase, glutathione peroxidase, and catalase in blood, 1932

Glutathione S-transferase PI-isozyme of glutathione S-transferase may be a serum marker for solid tissue (epithelial cell) tumors (A), 1052

Glycan-phosphatidylinositol

molecular nature and possible presence of membranous GPI/anchor of CA125 antigen (A) 1053

Glycated hemoglobin See Glycohemoglobin

Glycated lipoprotein
new receptor-binding assay for glycosylated
low-density lipoprotein (A), 928

Glycated proteins See Glycoproteins

Glycemia effect of impaired glucose and lipid metabolism on serum fructosamine values in Chinese

on serum irructionamine values in Chilese (A), 937
inter-laboratory comparison of glycated hemoglobin results: College of American Pathologists survey data (A), 956
utility of fructosamine in monitoring improvement of glycemic control in poorly controlled diabetics (A), 937

Glycerol do enzymatic anal. of serum triglycerides really need blanking for free glycerol? (L), 1301

do enzymatic analyses of serum triglycerides really need blanking for free glycerol? (L),

evaln. of Boehringer Mannheim Corp. Triglycerides-GB method on the BMC/Hitachi 736 analyzer (A), 924 glycerol-blanked triglycerides applications to BM/Hitachi 717, 736, 737 and 747 analyzers

(A), 922 importance of glycerol blanking in triglyceride assay and LDL cholesterol—calculation for normal and patient specimens (A), 934

Glycerol dehydrogenase enzymatic method for meas. ethylene glycol with a centrif. analyzer (SN), 1734

bile acids and conjugates identd. in metab.
disorders by fast atom bombardment and tandem mass spectrometry, 2102 5-L-oxoprolinuria and glycine sufficiency (L),

1660

Glycocalicin meas. of soluble GMP-140 and glycocalicin in plasma by enzyme immunoassay with monoclonal antibodies (A), 949

new enzyme-linked immunosorbent assay for glycocalicin in plasma, 169

Glycogen storage disease nproved prepn. of hepatic microsomes for in vitro diagnosis of inherited disorders of glucose-6-phosphatase system (SN), 739

Glycohemoglobin acid Hb electrophoresis and glycohemoglobin bands (TB), 582

bands (1D), 502 borderline increases in albumin excretion rate and the relation to glycemic control in subjects with type I diabetes, 2048 clin. validation of 2nd-generation fructosamine

clin. validation of 2nd-generation fructosamine assay (SN), 1252 detection of abnormal Hb Manitoba and Hb G-Coushatta during anal. for glycohemoglobin (A₁, by HPLC (CR), 1456 development of programmable robotics pipetting station for glycohemoglobin analysis (A), 966 evaln. of glycated Hb with the REP system (A), 969

969
evaln. of Primus CLC 330 glycohemoglobin
assay and application to gestational diabetes
(A), 976
feasibility of international standardization of
glycated hemoglobin mens. (A), 956
inter-laboratory comparison of glycated
hemoglobin results: college of American
pathologists survey data (A), 956
interlab. comparison of glycohemoglobin
results: College of American Pathologists
survey data (SN), 1725

meas. of glycosylated hemoglobin by rapid

meas. or givcosylated nemograpion by rapid electrophoresis (A), 950 percent glycated hemoglobin detd. in 5 min. on 10-microliter sample (A), 949 retrospective time-resolved testing: model I—time-resolved glycohemoglobin (S), 1531 study on quality control of glycohemoglobin (Hb A_{1c}) analyses using averages of patient data (A), 958

Glycoproteins

assessment of metabolic control by HPLC method for glycated serum albumin (A), 979 CA 125 in serum and ascitic fluid of patients

with liver diseases, 1379 clinical utility of Hybri-Cmark in signaling recurrence of colorectal cancer (A), 1057

different constructs for expression of mammalian γ-glutamyltransferase cDNAs in Escherichia coli and in Saccharomyces

cerevisiae, 662 effect of protein conc. on formation of glycated albumin and fructosamine (TB), 2138

enzyme immunoassay screening of α_1 -antitrypsin in dried blood spots from 39

289 newborns, 821 evaln. of affinity chromatographic method for glycated protein and albumin as an indicator

gycated protein and anomin as an indeat of diabetic control (A), 962 evaln. of automated assay for AFP in serum and amniotic fluid (A), 1048 evaln. of glycated albumin analyzer GAA-2000[®] by HPLC two-column method and

clin. appln. of glycated albumin (A), 982 excretion of β_2 -glycoprotein I (apolipoprotein H) in renal tubular disease, 74

glycation of human serum albumin in long-term incubation with low and high concentrations of glucose (A), 1061

interference-free method for glycated proteins in serum and whole blood, based on a boronate reagent (S), 1520 meas. of soluble GMP-140 and glycocalicin in

plasma by enzyme immunoassay with monoclonal antibodies (A), 949

new enzyme-linked immunosorbent assay for glycocalicin in plasma, 169 quantn. of free secretory component in saliva by enzyme immunoassay (TB), 1287 rapid detection and initial characterization of

enetic variants of human serum albumin, 1221

serum laminin P, in metastatic colon carcinoma (TB), 1795 ultrasensitive, specific, two-antibody IRMA that

defects free alpha subunits of glycoprotein hormones in blood of nonpregnant humans,

urinary excretion of glycated protein detd. with a specific RIA, 504

Glycosaminoglycans

development of buffer system for electrophoretic separation and detn. of glycosaminoglycans in biol. fluids and tissues (A), 979

tissues (A), 979
in vivo analysis of murine splenic
glycosaminoglycan biosynthesis and
sulphate metabolism during acute
inflammation (A), 1069
spot test not a reliable screening procedure for
mucopolysaccharidoses (SN), 572

Glycosylated hemoglobin See Glycohemoglobin Gonadotropin peptide

urinary gonadotropin peptide as potential marker for ovarian cancer management (A),

See Aspartate aminotransferase

Graves disease thyroperoxidase and microsomal antibody assays in sera from patients with Graves disease (SN), 1777

Growth hormone
"high-dose hook effect" as a pitfall in quantg. human growth hormone transgenic mice (L), 763

Guanidinoacetic acid

easier enzymatic detn. of guanidinoacetic acid in urine (L), 478

Heart disease

See also Myocardial infarction

abnormal Na metab. and plasma renin acty. (renal renin secretion) and the vasoconstriction volume hypothesis: implications for pathogenesis and treatment of hypertension and its vascular consequences (heart attack, stroke) (S), 1820

1820
analytical performance of troponin-T ELISA on ES 600 analyzer (A), 1027
automated digoxin assay on IMX* system using soluble reagents and polyelectrolyte interaction as separation means (A), 1046
calcn. of high density lipoprotein cholesterol from total cholesterol, triglycerides, and apolipoproteins A-1 and B (A), 928
changes in lipid profile and apolipoprotein locular in nationsts with stroke (A), 926

changes in lipid profile and apolipoprotein levels in patients with stroke (A), 926 development of lipoprotein(a) quantified by ELISA with plasminogen antibodies and apolipoprotein B antibodies (A), 926 effect of captopril on serum lipids, lipoproteins

and apolipoproteins in patients with hypertension (A), 927

effect of different estrogen-progestin treatments in post-menopausal women: impact on lipids and lipoproteins (A), 920 evaln. of nephelometric method for detn. of Lp(a) (A), 922

ischemic heart disease, apolipoproteins in CAPD (A), 921 macromolecular CK type 1: serum marker assocd. with disease, 430

micro anal. for Mg in myocardial biopsies (SN),

1401 obesity, lipids, heart disease (A), 1098

pathophysiol. of hyperapobetalipoproteinemia: role of basic proteins I, II, III (R), 317 prevention of heart disease by postmenopausal estrogen replacement (A), 1098

quantn. of lipoprotein(a) in dried blood spots and screening for above-normal lipoprotein(a) concns. in newborns (SN), 706

relationship between lipoprotein(a) and other indices of cardiovascular risk (A), 924 release of cGMP evaluated as diagnostic tool in

release of court evaluates as magnissic tool in cardiac diseases, 186 role of vasopressin in clin. hypertension and congestive cardiac failure: interaction with the sympathetic nervous system (S), 1828 S-troponin T in suspected ischemic myocardial

injury compared with mass and catalytic concns. of S-CK-MB (SN), 1405 serum apolipoprotein levels and early atherosclerosis (A), 926

Heart disorders

concns. of brain natriuretic peptide in treated congestive heart failure (L), 765

congestive heart failure (L), 765
Heart transplant
evaln. of Abbott TDx monoclonal cyclosporine
A assay in pediatric cardiac transplant
patients (A), 1014
evaln. of statistical technique for predicting
cyclosporine nephrotoxicity in heart
transplant recipients (A), 1008
specific measurements of cyclosporin A in

specific measurements of cyclosporin A in kidney, heart, and liver transplant patients by RIA with monoclonal antibody and ¹²⁸I tracer (A), 1019

Heatstroke

urinary and plasma iron and copper in acute heatstroke victims pre- and post-treatment

Heavy-chain proteins

immunoradiometric assay of myosin heavy chain fragments in plasma for investigating

myocardial infarction, 78 use of immunoglobulin heavy-chain and light-chain meas. in multicenter trial to investigate monoclonal components: I. detection, 1917

detection, 1917
use of immunoglobulin heavy-chain and
light-chain meas. in multicenter trial to
investigate monoclonal components: II.
classification by computer-based algorithms, 1922

Hematofluorometry

ernatorium erythrocyte protoporphyrin screening test for low Pb exposure in children: impact of lowering the B-Pb action threshold, 216

Hemodialysis

See also Dialysis patients accumulation of quinolinic acid in uremic serum and its removal by hemodialysis, 159 assessing acute parathyroid responsiveness in hemodialysis patients by meas. intact PTH in pre- and post-dialysis serum, 1216 characterization of 3-carboxy-4-methyl-5characterization of 3-carboxy-4-methyl-5-propyl-2-furanpropionic acid in plasma from patients with chronic renal failure (A), 945 characterization of 3-carboxy-4-methyl-5-propyl-2-furanpropionic acid in plasma from patients with chronic renal failure (A), 945

digoxin-like immunoreactivity and plasticizers

digoxin-like immunoreactivity and plasticizer in hemofiltrate of dialysis patients (A), 931 effect of highly unsaturated fatty acids on lipoprotein metabolism of patients on chronic hemodialysis (A), 921 effects of low molecular weight heparine on blood lipids during application in chronic hemodialysis patients (A), 927 evaln. of bedside detection of residual clustratelebude in hospital dialysis unit (A)

glutaraldehyde in hospital dialysis unit (A), 959

959
false-pos. titers of thyroid autoantibodies in patients undergoing hemodialysis? (L), 2153 free and bound malondialdehyde measured as thiobarbituric acid adduct by HPLC in serum and plasma (SN), 1423 hyaluronic acid in end-stage renal failure treated by haemodialysis (A), 944 influence of intermed-density lipoproteins on transcrete the Prickend of the Prick (SN).

accuracy of the Friedewald formula (SN), 1394

1394
multiple forms of alk. phosphatase in plasma
of hemodialysis patients (E), 783
multiple forms of alk. phosphatase in plasma
of hemodialysis patients, 815
normal HDL and HDL₂ cholesterol in female
patients on high flux hemodialysis (A), 922
quanta. of glutaraldehyde by HPLC (A), 957

Hemoglobin

See also Glycohemoglobin abnormal foetal Hb concentrations may be responsible for discrepancies in the assessment of diabetic control by HPLC and electrophoretic methods for glycated Hb meas. (A), 1070

absorption spectra of human fetal and adult absorption spectra of human fetal and adult HbO₃, Hb, HbCO, and methemoglobin, 1633 acid Hb electrophoresis and glycohemoglobin bands (TB), 582

capillary electrophoresis-new clin. tool (R),

endocrine functions in sickle cell disease patients (A), 940

evaln. of hemoglobin A₂ quantn. on Bio-Rad Diamat analyzer system (A), 951 fast typing of genetic variants of Hb using phastsystem (A), 1063

lipid and apolipoprotein parameters in selected anemic conditions (A), 925

anemic conditions (A), 925 monoclonal antibody immunoassay for identn. of hemoglobin variants (A), 950 objective method for measuring menstrual blood loss (A), 952 rapid, automated latex immunoassay for detg. Hb A₁, on Technicon RA® systems (A), 1043 stability and accuracy evaln. of capillary collection system for Hb A_{1c} specimens (A), 988

turnaround times of lab. services to hospital emergency department eval. of 722 institutions (Å), 960

utility of fructosamine in monitoring improvement of glycemic control in poorly controlled diabetics (A), 937

Hemoglobin variants absorption spectra of human fetal and adult HbO₂, Hb, HbCO, and methemoglobin, 1633 acid Hb electrophoresis and glycohemoglobin bands (TB), 582 detection of abnormal Hb Manitoba and Hb

G-Coushatta during anal. for glycohemoglobin (A₁₀) by HPLC (CR), 1456 ensitive fluorescence method for detecting DNA ligation amplification products (S),

Hemostasis evaln. of the Organon Teknika MDA:180 hemostasis and thrombosis analyzer (A),

Heparin

(SN), 566

icparin

Ca titrated, heparinate induced errors in ionized Ca detn. in blood (A), 947

effect of protamine sulfate on the aca heparin assay (TB), 1119

effects of low molecular weight heparine on blood lipids during application in chronic hemodialysis patients (A), 927

evaln. of effects of lyophilized and liquid heparin on meas. of whole-blood electrolytes (A), 945

overestn. of albumin in heparinized plasma

overestn. of albumin in heparinized plasma

versatile, non-clotting-based heparin assay requiring no instrumentation, 832

Hepatic disease See also Liver disease

Hepatitis

clin. evaln. of microparticle enzyme immunoassay for detection of total antibodies to hepatitis A virus (A), 1043 current testing for hepatitis C (A), 1101 detection of hepatitis B virus DNA in serum by

ammonium sulfate fractionation and

molecular hybridization (A), 1057
evaln. of Ortho Diagnostic immunoenzyme
assay for detection of antibody to hepatitis C virus (A), 1045

IMx® HBe, an automated enzyme immunoassay for detection of Hepatitis Be antigen (A), 1029

anugen (A), 1029 incidence of antibody to hepatitis C virus in sera of human subjects in hospital setting as determined by Abbott HCV EIA (A), 1025 microparticle enzyme immunoassay for

detection of antibody to hepatitis Be antigen (A), 1049

(A), 1049
performance of CORE⁽⁶⁾, M, Havab⁸-M and
HBsAg assays run together using IMx
Select⁽⁶⁾ technology (A), 965
prevalance of non-A, non-B hepatitis/hepatitis
C virus antibody in lab. quality-assurance
sera (A) 055

prevalence of non-A, non-B hepatitis/hepatitis C virus antibody in lab. quality-assurance

Hepatitis B

epatitis B development of screening ELISA and confirmatory assay for hepatitis C antibodies based on synthetic peptides (A), 1024 IMx* HBe, an automated enzyme immunoassay for detection of hepatitis Be

antigen (A), 1029

reaction tray and noncontact transfer method for heterogeneous chemiluminescence immunoassays, 1612

mmunoassays, 1612

Hepatitis B surface antigen
clinical evaln. of chemiluminescent
immunoassay for detection of HBsAg in
human plasma (A), 1022
novel immunoassays for hepatitis B surface
antigen (A), 1038

Hepatitis B virus

DNA enzyme immunoassay for detecting products of polymerase chain reaction, 422

Hepatitis delta virus new ribozyme: hepatitis delta virus RNA (A),

Hepatobiliary disease serum LD 4/5 ratio discriminates between hepatocarcinoma and secondary liver neoplasia (SN), 1419

Hepatocarcinogenesis sequential anal. of hepatocarcinogenesis by 2-D polyacrylamide gel electrophoresis (A), 1095

Hepatocarcinoma

erum LD 4/5 ratio discriminates between hepatocarcinoma and secondary liver neoplasia (SN), 1419

Hepatotoxicity high-resolution 2-D electrophoresis in studies

of liver toxicol. (A), 1096
perfluoro-n-decanoic acid toxicity in rat liver: 2-D electrophoretic anal. (A), 1096

Heritable disorders See also Genetics

carbonic anhydrase III in serum in muscular dystrophy and other neurological disorders: relationship with creatine kinase, 36 clin. pressure points: lab. response for 21st century (A), 896

detection of genetic variants of α₁-antitrypsin with site-specific monoclonal antibodies, 1606

diagnostic and genetic studies in 43 patients with classic cystinuria, 68

with classic cystinuria, 68 enzyme immunoassay screening of α_{1} -antitrypsin in dried blood spots from 39 289 newborns, 821 genetic screening of newborns for sickle cell disease: correlation of DNA anal. with Hb electrophoresis (SN), 454 heterozygous hypobetalipoproteinemia with fasting chylomicronemia (CR), 296 hexecomidaes contamination in hexica

hexosaminidase contamination in bovine serum albumin: potential problem in screening for gene carriers of Tay—Sachs disease (L), 1462

improved prepn. of hepatic microsomes for in vitro diagnosis of inherited disorders of glucose-6-phosphatase system (SN), 739 mol. techniques in diagnosis and definition of genetic diseases (A), 902 mutagenic PCR primers to detect carriers of

familial defective apolipoprotein B-100 (SN),

prevalence of familial dysalbuminemic

prevalence of familial dysalbuminemic hyperthyroxinemia in serum samples received for thyroid testing (SN), 1430 progress in gene therapy (A), 904 rapid diagnosis of familial defective apolipoprotein B-100 by Amplification Refractory Mutation System (SN), 1983 role of clin. lab. in evaln. of argininosuccinate lyase deficiency (CC), 1384 simplified assay of galactose-1-phosphate uridyltransferase (L), 2157 spot test not a reliable screening procedure for mucopolysaccharidoses (SN), 572 steroid characteristics of mineralocorticoid adrenocortical hypertension (S), 1843 terpes

improved interpretation of enzyme immunoassay of herpes IgG antibodies by partial correction for cross-reactivity (TB),

quantn. of virus-specific antibodies in CSF and serum: sensitive and specific detection of antibody synthesis in brain, 1153

Heterophilic antibodies

in vivo MoAb administration effects on renal function (A), 931 runction (A), 931 sudden appearance and subsequent disappearance of interference in immunometric assays of thyrotropin neutralizable with purified mouse IgG (L),

Hexanediamine

urinary excretion of free toluenediamines in patient with polyurethane-covered breast implants (CR), 2143

interference of D-mannose in glucose measurements by glucose oxidase and hexokinase methods (L), 477

Hexosaminidase

hexosaminidase contamination in hovine serum albumin: potential problem in screening for gene carriers of Tay-Sachs disease (L), 1462

"High-performance" chromatography See Chromatography, liquid "High-pressure" chromatography See Chromatography, liquid

Hirsutism

salivary testosterone and plasma total, non-sex-hormone-binding globulin-bound, and free testosterone in normal and hirsute women during dexamethasone/synthetic corticotropin treatment, 180

History clin. chem. in New York at the founding of the AACC: recollection and remembrance (H), 2146

new look at the role of urinalysis in the history of diagnostic med. (H), 119

See also Acquired immune deficiency

See also Acquired immune deficiency syndrome anal, of HIV detection by polymerase chain reaction: identn. and reduction of contamination (A), 1058 confirmation and differentiation of antibodies to HIV-1 and -2 with a strip-based assay including recombinant antigens and

synthetic peptides (A), 1700 detection of HIV DNA sequences using ligase chain reaction (A), 1059 detection of HIV-1 antibodies in urine by

enzyme immunoassay (A), 1021 dithioate DNA as a potential therapeutic drug (A), 615

electrochemiluminescence detection fo

electrochemiluminescence detection for development of immunoassays and DNA probe assays for clin. diagnostics (S), 1534 epidemiology and virology of HIV and related viruses (A), 894 evaln. of two enzyme immunoassays for detection of anti-HIV 1 or anti-HIV 2 and for differentiation between these antibodies (A), 1036 heat treatment of sera for deactivation of HIV does not change concept. of six commonly

does not change concns. of six commonly monitored therapeutic drugs (A), 1009 HIV therapies and vaccines: recent developments, future directions (A), 895

individual probability for onset of full-blown

individual probability for onset of run-nown disease in patients infected with human immunodeficiency virus type 1, 351 lab. diagn. of HIV infection (A), 894 ligand affinity chromatog. sepn. of serum IgG on recombinant Protein G-silica (SN), 882 multicenter evaln. of an enzyme immunoassay for simultaneous detection of anti-HIV 1/-HIV 2 (A), 1045

17-HIV 2 (A), 1040 novel, rapid membrane-based immunoassay for detecting antibodies to HIV-1 (A), 1025 PCR detection of integrated HIV-1 DNA in peripheral blood lymphocytes from infected individuals at various stages of disease (A),

presence of autoantibodies to enzymes in sera of patients infected with human

or patients infected with numan immunodeficiency virus (A), 918 prevalence of non-A, non-B hepatitis/hepatitis C virus antibody in lab. quality-assurance sera, 797 quantn. of HIV viral burden by PCR in clin. samples and correlation with virus isolation

samples and correlation with virus isolation in culture (A), 617 quantn. of virus-specific antibodies in CSF and serum: sensitive and specific detection of antibody synthesis in brain, 1153 serologic and immunologic assessment of HIV infection (A), 1101

infection (A), 1101 serological diagnosis with recombinant peptides/proteins (E), 1667 simultaneous detection of antibodies to HTLV-I and HIV-I by chemiluminescent enzyme immunoassay (A), 1031 utilization of PCR-based technol: retroviral pathogenesis studies (A), 609 Homocysteine

total plasma homocysteine detn. in subjects with premature cerebral vascular disease

Hormones

formones
See also specific hormone of interest, Peptide
hormones, Steroids
effect of different estrogen-progestin
treatments in post-menopausal women:
impact on lipids and lipoproteins (A), 920
longitudinal assessment of changes in
reproductive hormones during normal

pregnancy, 667 which parathyrin assay is really best for clin. use? (L), 1464

HPLC

See Chromatography, liquid

TLV epidemiology and virology of HIV and related viruses (A), 894 rapid, non-radioactive microtiter plate assay to detect and differentiate PCR amplified HTLV-I and II DNA (A), 1057 simultaneous detection of antibodies to HTLV-I and HIV-I by chemiluminescent enzyme immunoassay (A), 1031 utilization of PCR-based technol.: retroviral nathogenesis studies (A) 609

pathogenesis studies (A), 609

Human genome alternative strategies for human genomic mapping (A), 612

Human immunodeficiency virus See HIV, Acquired immune deficiency syndrome

syndrome

Manan leukocyte antigens
investigation of 7.20 kb BgIII HLA-DQOA1
restriction fragment length polymorphism
in insulin-dependent diabetes mellitus (A),
1058

Hyaluronate hyaluronic acid in end-stage renal failure treated by haemodialysis (A), 944 logistic-regression model for assessing portal hypertension by measuring hyaluronic acid (hyaluronan) and laminin in serum, 30

Hydroxybutyrate
meas. of β-hydroxybutyrate in urine on
Hitachi 705 (A), 947

Hydroxycyclohexanecarboxylic acid 4-hydroxycyclohexanecarboxylic acid: rare compound in urinary organic acids anal. (L),

Hydroxyprogesterone
interferences with 17-hydroxyprogesterone
detn. in amniotic fluid (L), 2154
serum 17a-hydroxyprogesterone in infants and
children measured by direct RIA (A), 939

Hydroxyproline concn. of urinary hydroxyproline/creatinine, and Ca/creatinine in normal and osteoporotic women in early postmenapousal period (A), 937

modified anal. for C1q as protein-bound hydroxyproline in euglobulin fraction of serum (L), 2013 simple, optimized liquid-chromatog. method for total hydroxyproline in urine evaluated (SN 1984).

(SN), 285

Hydroxysteroid dehydrogenase

time-resolved immunofluorometric assay of 17β-hydroxysteroid dehydrogenase in plasma (SN), 1412

Hydroxyurea

hydroxyurea for treatment of sickle cell disease (A), 1071

Hyperandrogenism

salivary testosterone and plasma total, non-sex-hormone-binding globulin-bound, and free testosterone in normal and hirsute women during dexamethasone/synthetic

corticotropin treatment, 180

Hyperapobetalipoproteinemia
pathophysiol. of hyperapobetalipoproteinemia:
role of basic proteins I, II, III (R), 317

Hyperbilirubinemia bilirubin-fractions in sera of newborns undergoing phototherapy measured by HPLC and Kodak Ektachem analyzer (A),

discrepant bilirubin fractionation in newborn with Rh incompatibility and hyperbilirubinemia (A), 987

Hypercalcemia development and validation of immunoradiometric assay of parathyrin-related protein in unextracted plasma, 678 immunochemiluminometric and immunoradiometric detns. of intact and immunoradiometric detns. of intact and total immunoreactive parathyrin: performance in the differential diagnosis of hypercalcemia and hypoparathyroidism, 162 immunometric assay of parathyrin in diagnosis of hypercalcemia (E), 142 immunoreactivity of plasma parathyrin-related peptide: three region-specific RIAs and a two-site IRMA compared (SN), 1781

Hypercholesterolemia
See also Heart disease, Hyperlipidemia
apolipoprotein B as atherogenic risk indicator

apolipoprotein B as atherogenic risk indicator in 30 565 subjects is better than total serum cholesterol (A), 926 hypercholesterolemia in children (A), 1098 hypercholesterolemia; diet, aging, and genes as effectors of LDL receptor acty. (A), 892

Hypercoagulability
modified whole blood recalcification time
monitors subclinical hypercoagulability (A),

952

Hyperglycemia
effect of hyperglycemia on plasma Na and K
conen. (TB), 293

Hyperlipidemia
current and future approaches for treatment
of hyperlipidemia (A), 1098
lipid and apolipoprotein parameters in selected
anemic conditions (A), 925

Hyperlipoproteinemia

Hyperlipoproteinemia

solating and quantg, intermediate and β-VLDL cholesterol, 1913 rapid isolation of intermediate-density lipoprotein from serum of patients with type III hyperlipoproteinemia by density gradient ultracentrifugation (A), 921

Hyperparathyroidism assessing acute parathyroid responsiveness in hemodialysis patients by meas. intact PTH in pre- and post-dialysis serum, 1216 bone protein and peptide assays in diagnosis and management of skeletal disease (R), 1143

development and validation of

immunoradiometric assay of parathyrin-related protein in unextracted plasma, 678 immunochemiluminometric and

immunoradiometric detns. of intact and total immunoreactive parathyrin: performance in the differential diagnosis of performance in the differential diagnosis of hypercalcemia and hypoparathyroidism, 162 immunoreactivity of plasma parathyrin-related peptide: three region-specific RIAs and a two-site IRMA compared (SN), 1781

Hyperphosphatasemia benign inherited hyperphosphatasemia of intestinal origin: two cases and brief review of literature (CR), 1449 "transient hyperphosphatasemia of infancy and childhood" in an adult (L), 1137

Hypertension

onormal Na metab. and plasma renin acty. (renal renin secretion) and the vasoconstriction volume hypothesis implications for pathogenesis and treatment of hypertension and its vascular consequences (heart attack, stroke) (S). 1820

adreno-medullary hypertension: review of syndromes, pathophysiology, diagnosis, and treatment (S), 1849

treatment (S), 1849
advances in catecholamine and metabolite
measurements for diagnosis of
pheochromocytoma (S), 1854
albuminuria vs urinary total protein for
detecting chronic renal disorders (W), 621
ambulatory blood pressure monitoring in clin.
practice (S), 1880

angiotensin-converting enzyme detn. in plasma during therapy with converting enzyme inhibitor: two methods compared

(SN), 1390 clin. evaluation and differential diagnosis of individual hypertensive patient (S), 1868
diabetic nephropathy: a disease causing and complicated by hypertension (S), 1838
effect of captopril on serum lipids, lipoproteins and apolipoproteins in patients with hypertension (A), 927

eterogeneity among hypertensive subjects: a tool for clin. decision-making (S), 1885 increased Ca uptake in vascular tissue and elevated platelet cytosolic free Ca in ethanol induced hypertensive rats (A), 1068 logistic-regression model for assessing portal hypertension by measuring hyaluronic acid (hyaluronan) and laminin in serum, 30

plasma renin acty. and plasma prorenin assays

(S), 1811 raised 24-h urinary excretion of digitalis-like factor in type 1 diabetics: linkage with hypertension? (A), 941

nypertension? (A), 941 role of lab. testing in diagnosis of renovascular hypertension (S), 1831 role of vasopressin in clin. hypertension and congestive cardiac failure: interaction with the sympathetic nervous system (S), 1828 steroid characteristics of mineralocorticoid adrenocortical hypertension (S), 1843

adrenocortical hypertension (S), 1843

Hyperthyroidism
choriogonadotropin-mediated thyrotoxicosis in
a man (CR), 1127
elastase inhibitory acty. in serum of patients
with thyroid dysfunction (SN), 108
hyperthyroidism with normal values for total
T, in serum (TB), 1120
simultaneous meas. of thyrotropin receptor
stimulating and blocking autoantibodies
using human thyrocyte cultures (A) 938

using human thyrocyte cultures (A), 938 ultrasensitive thyrotropin assay in the assessment of hyperthyroidism (A), 1068

Hyperthyroxinemia prevalence of familial dysalbuminemic hyperthyroxinemia in serum samples received for thyroid testing (SN), 1430 unusual hyperthyroxinemia caused by endogenous T, antibodies (L), 1656

Hypertonic saline a vitro and in vivo effects of hypertonic saline/Dextran-70 on protein detns. in serum or plasma (L), 1801

Hypertriglyceridemia abnormal concns. of CII, CIII, and E apolipoproteins among apolipoprotein B-containing, B-free, and A-1-containing lipoprotein particles in hemodialysis patients, 387

clin. applins. and standardization of apolipoprotein measurements in diagnostic workup of lipid disorders (E), 619

Hyperviscosity
polyclonal gammopathy with marked increase
in serum viscosity (CR), 1788

Hypoalbuminemia effects of serum-isolated vs synthetic bilirubin-albumin complexes on dye-binding methods for estg. serum albumin (SN), 1269

Hypobetalipoproteinemia heterozygous hypoletalipoproteinemia with fasting chylomicronemia (CR), 296 **Hypocholesterolemia**

lipid and apolipoprotein parameters in selected anemic conditions (A), 925

Hypoparathyroidism poparatny roughs evelopment and validation of immunoradiometric assay of parathyrin-related protein in unextracted plasma, 678

immunochemiluminometric and immunoradiometric detns. of intact and total immunoreactive parathyrin: performance in the differential diagnosis of hypercalcemia and hypoparathyroidism, 162 Hypotension

ypotension
human plasma ionized magnesium meas.
during cardiopulmonary bypass with novel
ion-selective electrode: possible relationship
to hypotension after cardioplegia and
coronary spasm post-perfusion (A), 1070

Hypothyroidism opln. of comprehensive protocol for detection and diagnosis of congenital hypothyroidism

and diagnosis of congenital hypothyroidism in Brazil (A), 935 falsely high free T₄, normal total T₄, low T₃RU with antibodies to T₄ and thyroid microsomes in hypothyroid child: diagnostic dilemma (A), 933 FT₄ measured in dried blood spots from normal, low-birth-weight, and hypothyroid negative (SN) 2114.

normal, low-birth-weight, and hypothyroid neonates (SN), 2114
neonateal hypothyroid screening with thyrotropin kit and an overweekend incubation protocol (L), 132
neonatal hypothyroidism screening with immunochemiluminometric assay of thyrotropin (TB), 1796
neonatal screening for amino acid disorders in southern Brazil: pilot study results (A), 989 simultaneous meas. of thyrotropin receptor stimulating and blocking autoantibodies using human thyrocyte cultures (A), 938 using human thyrocyte cultures (A), 938

Hypoxanthine direct chem. evidence of oxyradical damage in hepatocyte suspensions exposed to xanthine oxidase and hypoxanthine (A), 1070

Ibuprofen

ensuring absence of false negative results on GC/MS assay for 11-nor-delta-9-tetrahydrocannabinol due to

11-nor-delta-9-tetrahydrocannabinol due to ibuprofen interference (A), 1008 investigation of possible interference by ibuprofen and naproxen patient samples with EMIT® d.a.u. @ assays for amphetamine, barbiturate, benzodiazepines, and cannabinoid (A), 1009

IFCC

IFCC standardization project for measurements of apolipoproteins A-I and B,

Ig See Immunoglobulin(s)

Imipramine

comparison of serum from red-top and experimental serum separator gel tubes in assay of tricyclic antidepressants (A), 994 development of TDx assay for analysis of imipramine and desipramine in patient plasma or serum (A), 1006

Immobilized enzymes whole blood glucose analysis evaluated on the APEC glucose analyzer (A), 970

Immune complexes

polyclonal gammopathy with marked increase in serum viscosity (CR), 1788

Immune status

rapid quantn. of soluble interleukin 2 receptors by the IMX Immunoassay System (A), 930

See also Immunometric assay, specific type of

Abbott Prism: multichannel heterogeneous chemiluminescence immunoassay analyzer

(S), 1540
Abuscreen® Online® immunoassay for cannabinoids in urine on Cobas FARA® II analyzer (A), 1007
Abuscreen® Online® immunoassay for cannabinoids in urine on Hitachi 717 automated analyzer (A), 1011
Abuscreen® Online® immunoassay for cocai

metabolite in urine on Cobas FARA® II analyzer (A), 1006 Abuscreen® Online® immunoassay for cocaine

metabolite in urine on Olympus AU 5121 and 5131 automated analyzers (A), 1000 Abuscreen® Online® immunoassay for detection of amphetamine in urine on Cobas

MIRA® automated analyzer (A), 995 Abuscreen Online® immunoassay for

Aduscreen Online® Immunoassay for detection of benzodiazepines in urine on Cobas MIRA (A), 995
Abuscreen® Online® immunoassay for detection of benzoylecgonine in urine on Cobas MIRA® (A), 996

Abuscreen® Online® immunoassay for detection of opiates in urine on Cobas MIRA® (A), 996

Abuscreen® Online® immunoassay for detection of phencyclidine in urine on Cobas MIRA® (A), 996

MIRA® (A), 996
Abuscreen® Online® immunoassay for
detection of THC metabolites in urine on
Cobas MIRA® (A), 1003
Abuscreen® Online® immunoassay for
methamphetamine in urine on Cobas

MIRA® automated analyzer (A), 1007 Abuscreen® Online® immunoassay for opiates in urine on Cobas FARA® II analyzer (A),

Abuscreen® Online® immunoassay for opiates in urine on Hitachi 717 automated analyzer (A), 1006

(A), 1006 Abuscreen® Online® immunoassay for opiates in urine on the Olympus AU 5121 and 5131 automated analyzers (A), 1000 Abuscreen® Online® immunoassay for THC metabolites in urine on Olympus AU 5121 and 5131 automated analyzers (A), 1017 adaptation of Technicon RA® T, immunoassay to Technicon CHEM 1® (A), 981 addition of β-hCG to maternal serum screening program to improve detection of

screening program to improve detection of down syndrome (A), 1019

Al phthalocyanine-streptavidin: sensitive fluorescent tracer for immunoassay (SN),

automated assay for total T₃ on the IMX[®] system using soluble reagents and polyelectrolyte interaction as separation means (A), 1048

automated assays of liposome immunolysis for phenytoin, phenobarbital, and carbamazepin (A), 1015

automated chemiluminescence immuno test for carcinoembronic antigen (A), 1051 automated chemiluminescence immunoassay

test for T-uptake (A), 941 automated chemiluminescence immunoassay test for total IgE (A), 1021

test for total IgE (A), 1021
automated chemiluminescent assay for total T₄
on Immulite²⁰ (A), 1028
automated chemiluminescent high sensitivity
TSH assay for Immulite²⁰ (A), 1028
automated digoxin assay on IMX* system
using soluble reagents and polyelectrolyte
interaction as separation means (A), 1046
highin_Graph levidin system: wriginles and

interaction as separation means (A), 1040 biotin–(strept)avidin system: principles and applns. in biotechnol. (R), 625 Cedia* immunoassays for theophylline, phenytoin, and phenobarbital for Hitachi* 704 and 717 analyzers (A), 1005

chemiluminescence immunoassay for CA15-3, CA125, CA19-9: evaln. using quality-control sera assayed in interlaboratory survey (A), 1040

chemiluminescent and bioluminescent

chemiuminescent and bioluminescent techniques (S), 1472 chemiuminescent T₃-uptake assay for use on Immulite²⁶ (A), 1049 CK-MB mass determinations in non-traumatic alcoholic rhabdomyolysis (A), 1023 clin. and anal. evaln. of BMD ES 300 immunoassays (A), 1033 clin. eval. of ICON® Strep B, new rapid diagnostic test for detection of Group B Strep (a) 1041

diagnostic test for detection of Group B Strep colonization (A), 1041 comparison of SLAB and SMCC cross-linked conjugates for hCG immunoassays (A), 1048 cross-reactivity of vancomycin degradation product in 3 immunoassays of vancomycin (TB), 2009

current testing for hepatitis C (A), 1101 cyclosporine in whole blood: comparison of two non-isotopic immunoassays with ¹²⁵I RIA

detection of amphetamine and methamphetamine in urine samples using microtiterplate competitive enzyme immunoassay (A), 1012 detn. of cyclosporine in capillary blood by affinity column mediated immunoassay on

aca (A), 998

development of fully automated immunoassay for estradiol on Abbott IMX[®] automated immunoassay system (A), 1036 development of rapid immunoassay for

detection of Candida mannan in serum (A), 1046

development of two reagent phenytoin EMIT® homogeneous immunoassay for IL Monarch® systems (A), 1031

development of two reagent T-uptake EMIT® homogeneous immunoassay for IL Monarch® systems (A), 1030 development of two reagent tobramycin homogeneous EMIT® immunoassay for IL Monarch® systems (A), 1030

development of two reagent T₄ EMIT[®] homogeneous immunoassay for IL Monarch[®] systems (A), 1030

development of two-reagent Gentamicin EMIT® homogeneous immunoassay for IL

Monarch® systems (A), 1030 dry chemistry multilayer immunoassay element for CRP (A), 1036 effect of digibind on Opus® Digoxin assay (A),

effect of elevated bile acid levels on digoxin measurements using immunoassays (A),

automated immunoassays (L), 1134 electrochemiluminescence detection for development of immunoassays and DNA

probe assays for clin. diagnostics (S), 1534 encapsulation of Eu in liposomes for use in amplified immunoassay detection system

(S), 1519 enzyme-amplified conductimetric

immunoassay, as applied to human chorionic gonadotropoin (A), 1049 evaln. of BMD ES 300 immunoassay analyzer and comparison with EIA, FPIA, and RIA methods (A), 970 evaln. of rapid immunochemical assay for

antithrombin III (A), 950 evaln. of rapid visual immunoassay for opiates

evain. of rapiu visual immunoassay for opiates in urine (A), 1010 evaln. of recombinant human thyroid stimulating hormone for use as calibrator and control in immunoassays (A), 942 evaln. of Stratus automated immunoassay for

evain. of Stratus automated immunoassay for deth, of AFP concentration in serum and amniotic fluid (A), 965 evaln. of Stratus® II immunoassay system for T_t, thyroid stimulating hormone, and human chorionic gonadotropin (A), 1041 evaln. of the Organon Teknika MDA:180 hemostasis and thrombosis analyzer (A),

981
evaln. of the TDX^{cs} monoclonal cyclosporine
assay and comparison to other immunoassay
methods (A), 1013
evaln. of Tosoh AIA-1200 automated

immunoassay analyzer (A), 1036 evaln. of TOSOH AIA-1200 immunoassay

system (A), 978 fully automated magnetic particle-based heterogeneous immunoassay technology for du Pont Dimension® clin. chem. system (A),

–progress and

imunoassay automation—progre perspectives (A), 1097 immunoassay standardization and interference reduction (A), 1096 immunosensors (A), 1097 imprecision of Stratus immunoassay system

imprecision of Stratus immunoassay system for FT₄ (L), 769 improvement in efficiency of Toxi-lab® drug detection system by use of overpressure layer chromatog. (A), 1001 meas. free designamine in serum by

meas. Tree desipramine in serum by ultrafiltration with immunoassay (A), 1016 microparticle-enhanced nephelometry immunoassay (Nephelia[®]) for immunoglobulins G, A, and M, 20 monoclonal antibody immunoassay for identn. of hemoglobin variants (A), 950 monoclonal antibody-based discrepancies between two-site immunometric tasts for

monoclonal antibody-based discrepancies between two-site immunometric tests for lutropin (SN), 1745 multianalyte microspot immunoassay—microanal. "compact disk" of the future, 1955 multicenter evaln. of Boehringer Mannheim ES 300 system (A), 981 new extended range, automated, non-isotopic immunoassay for detn. of serum ferritin on Affinity® system (A), 1036 novel immunoassays for hepatitis B surface antigen (A), 1038 novel, rapid membrane-based immunoassay

antigen (A), 1038 novel, rapid membrane-based immunoassay for detecting antibodies to HIV-1 (A), 1025 novel, rapid membrane-based immunoassay for detecting antibodies to HIV-1 (A), 1025 optical biosensor assay (OBA®) (S), 1502 performance characteristics of the ACS-180® automated chemiluminescence system (A),

performance evaln. of automated, random access OPUS immunoassay system (A),

1037
performance of Cedia® total T₃ assay on Roche
Cobas FARA® (A), 944
performance of CORE® M, Havab® M and
HBsAg assays run together using IMx
Select® technology (A), 965
prepn. of specific antiserum to digitoxin by
using digitoxin hemisuccinate—bovine serum
albumin conjugate at the digitoxose C-3'
position (1) 476.

anoumn conjugate at the digitoxose C-3 position (L), 476 prolonged effect of Fab fragments on various digoxin immunoassays (A), 1001 rapid diagnosis of rupture of amniotic membrane by immunochemical assay (A),

rapid self-contained immunoassay for total T. (A), 940

rapid, semi-quant. assay of C-reactive protein evald. (SN), 1981

reaction tray and noncontact transfer method for heterogeneous chemiluminescence

for neterogeneous chemiluminescence immunoassays, 1612 sensitive, colorimetric enzyme amplification cascade for detn. of alk. phosphatase and appln. to immunoassay of thyrotropin (S), 1513

serologic and immunologic assessment of HIV infection (A), 1101 simplified format for DNA probe-based tests (SN), 248

(SN), 245 single-chain antibody binding sites (A), 1097 Technicon® free thyroxine assay: fully automated direct immunoassay for detn. of free thyroxine in human serum (A), 1032

technicon high sensitivity human thyrotropin assay: improved adaptation to fully automated Immuno-1[®] system (A), 1032 temp.-dependent immunoreactive assay to screen for digoxin-like immunoreactive

screen for algoxin-like immunoreactive factor(s), 1900
theophylline detd. by flow injection immunoassay (A), 1002
vaginal immunodetection of an isoform of fibronectin indicating rupture of amniotic membranes (A), 1041

Immunoblotting characterization and appln. of recombinant human thyroid peroxidase expressed in cultured Chinese hamster ovary cell (A),

modified immunoblotting technique for phenotyping lipoprotein(a) (SN), 576

Immunochemiluminometric assay
BeriLux® AFP, rapid and sensitive coated tube
luminescence immunoassay for detn. of
human AFP (A), 1037
immunochemiluminometric and

immunoradiometric detns. of intact and total immunoreactive parathyrin: performance in the differential diagnosis of hypercalcemia and hypoparathyroidism, 162 immunochemiluminometric assays based on

acridinium labels with a microtiter late luminometer (TB), 472 neonatal hypothyroidism screening with immunochemiluminometric assay of

thyrotropin (TB), 1796 sensitive, specific immunochemiluminometric assay for luteinizing hormone in serum and urine (A), 1038

Immunochemistry
See also specific analyte of interest

Immunoconcentration monoclonal antibody immunoassay for identn.

of hemoglobin variants (A), 950

Immunoelectrophoresis
See also specific technique of interest
interlaboratory comparison of measurements
of albumin in urine, 191

Immunoenzyme assay See also Enzyme immunoassay

Immunoenzyme immunoassay

See also Enzyme immunoassay

See also Enzyme immunoassay

carcinoembryonic antigen in serum of patients
with colorectal polyps: correlation with
histology and smoking status, 651

comparison of Tosoh AIA-1200, Abbott TDx,
and Pharmacia Delfia methods for detn. of

serum thyroxine (A), 942 evaln. of Ortho Diagnostic immunoenzyme

assay for detection of antibody to hepatitis C virus (A), 1045 extended range rapid immunoenzymetric assay to measure serum hCG on Affinity automated immunoassay system (A), 1024

isotopic and nonisotopic assays of somatotropin compared: re-evaln. of cutoff value in provocative tests (SN), 273 mass detn. of pancreatic amylase with immunoenzymometric assay using biotin

streptavidin (A), 913 urinary fibronectin fragments (a potential

tumor marker) measured by immunoenzymometric assay with domain-specific monoclonal antibodies (SN), 466

Immunoextraction apparent lack of concordance between free T₄ and TSH detns. (A), 943

atrial natriuretic peptide assayed after immunoextraction with magnetic Fe particles (SN), 1769

development and validation of immunoradiometric assay of parathyrin-related protein in unextracted plasma, 678 Protein A–Sepharose to measure free insulin in plasma, 64

in plasma, 64

Immunofixation electrophoresis

κ/λ index for confirming urinary free light
chain in amyloidosis AL and other plasma
cell dyscrasias (CR), 1122
characterization of monoclonal IgE lambda
paraprotein with immunofixation and
Iso-Dalt two-dimensional electrophoresis (A), 1062

(A), 1002 dear Dr. [Bence] Jones . . . (E), 1557 "Ladder light chain" or "pseudo-oligoclonal" distinctive pattern in urinary

distinctive pattern in urinary immunofixation electrophoresis studies: explanatory hypothesis relating to free polyclonal light chains, 1559 monoclonal and oligoclonal gammopathies in heart-transplant recipients, 1334 relationship between presence of monoclonal immunoglobulin IgA, IgG, IgM, κ and λ chains in serum immunofixation electrophoresis and quant. meas. of these chains on Beckman ARRAY (A), 930 restricted electrophoretic heterogeneity of Ig

restricted electrophoretic heterogeneity of Ig light chain in urine: a cause for confusion

with Bence Jones protein, 1570 use of immunoglobulin heavy-chain and light-chain meas. in multicenter trial to investigate monoclonal components: I. detection, 1917

use of immunoglobulin heavy-chain and light-chain meas. in multicenter trial to investigate monoclonal components: II. classification by computer-based algorithms, 1922

Immunofluorometric assay analysis of anti-nuclear antibodies by ELISA technique and correlation with immunofluorescent assay profiles (A), 1025

individual differences in lutropin immunoreactivity revealed by monoclonal

inmunoreactivity revealed by introduces, 333 novel NSE assay in TR-IFMA format (A), 1054 time-resolved immunofluorometric assay of sex hormone binding globulin in serum (A),

1042 time-resolved immunofluorometric assay of 17β-hydroxysteroid dehydrogenase in plasma (SN), 1412 time-resolved immunofluorometry of thyrotropin in serum using monoclonal and polyclonal antibody (A), 1047 wide range IgE assay (0.3–2000kU/L) (A), 1064

Immunoglobulin-enzyme complexes See also Enzyme-immunoglobulin complexes Immunoglobulins

κ/λ index for confirming urinary free light chain in amyloidosis AL and other plasma cell dyscrasias (CR), 1122

atomic force microscopy: seeing molecules of lipid and immunoglobulin (S), 1497 automated chemiluminescence immunos test for total IgE (A), 1021

characterization of monoclonal IgE lambda paraprotein with immunofixation and Iso-Dalt two-dimensional electrophoresis

(A), 1062 chemiluminescence and radioimmunology compared for 10 allergens (TB), 474 clinical evaln. of an anti-toxoplasma

gondii/IgG ELISA using single-point quant. procedure (A), 1045 complexes of CK and immunoglobulins in serum identified by nonimmune binding method, 173

dear Dr. [Bence] Jones . . . (E), 1557

evaln. of Abbott IMx automated analyzer, qual. method for detection of cytomegalovirus IgM antibodies (A), 1046 evaln. of nephelometric assay for IgE (A), 1039 frequencies of Ig classes involved in monoclonal gammopathies in Guadeloupe

(TB), 2138

IgA anti-gliadin antibodies in adult celiac disease, 647

IgG removal from serum using Isolab Quik-Sep® IgM rProtein G affinity method prior to assaying for pathogen-specific IgM (A),

929
influence of monoclonal Igs in direct detns. of
Fe in serum (SN), 690
"ladder light chain" or "pseudo-oligoclonal"
distinctive pattern in urinary
immunofixation electrophoresis studies:

immunonxation electrophoresis studies: explanatory hypothesis relating to free polyclonal light chains, 1559 ligand affinity chromatog, sepn. of serum IgG on recombinant Protein G-silica (SN), 882 measuring RF in nonrheumatoid subjects: immunoturbidimetric assay, latex slide test, and enzyme-linked immunosorbent assay

compared (SN), 1766 measuring urinary IgG and IgG, excretion (L),

microparticle-enhanced nephelometry immunoassay (Nephelia*) for immunoglobulins G, A, and M, 20 monoclonal and oligoclonal gammopathies in

monocional and oligocional gammopathies in heart-transplant recipients, 1334 monocional immunoglobulin quantin. scanning densitometry vs rate nephelometry (A), 1061 novel IgA antibody to bovine thyrotropin in a healthy man (L), 306 polyclonal gammopathy with marked increase in serum viscosity (CR), 1788 principles and performance of Pharmacia

Delphia® for the detn. of ferritin and IgE (A), 966

(A), 966 prolonged effect of Fab fragments on various digoxin immunoassays (A), 1001 relationship between presence of monoclonal immunoglobulin IgA, IgG, IgM, κ and λ chains in serum immunofixation

electrophoresis and quant. meas. of these chains on Beckman ARRAY (A), 930 restricted electrophoretic heterogeneity of Ig light chain in urine: a cause for confusion

with Bence Jones protein, 1570 single-chain antibody binding sites (A), 1097 stabilization of turbidimetric immunoassay b

stabilization of turbidimetric immunoassic covalent coupling of antibody to latex particles (SN), 1248 use of chicken antibodies in enzyme immunoassays to avoid interference by rheumatoid factors, 411 use of immunoglobulin heavy-chain and

light-chain meas. in multicenter trial to investigate monoclonal components: I. detection, 1917 use of immunoglobulin heavy-chain and

light-chain meas. in multicenter trial to investigate monoclonal components: II. classification by computer-based algorithms, 1922

wide range IgE assay (0.3-2000kU/L) (A), 1064

Immunoinhibition

interactions among anti-creatine kinase monoclonal antibodies and creatine kinase isoforms: differential inhibition and antiinhibition (A), 916

Immunolysis automated assays of liposome immunolysis for phenytoin, phenobarbital, and carbamazepin

Immunometric assay

nmunometric assay affinity chromatog. in developing acridinium ester-labeled antibodies for immunometric assay of parathyrin (SN), 117 clin. evaln. of Amerlite CK-MB assay (A), 910 evaln. of Amerlite CK-MB immunoassay (A),

immunometric assay for alpha fetoprotein based on enhanced luminescence (A), 1040 immunometric assay of parathyrin in diagnosis of hypercalcemia (E), 142 novel NSE assay in TR-IFMA format (A), 1054 sudden appearance and subsequent

disappearance of interference in immunometric assays of thyrotropin neutralizable with purified mouse IgG (L),

ultrasensitive thyrotropin assay in the assessment of hyperthyroidism (A), 1068

Immunonephelometry

ELISA for detection of apolipoprotein B in
human serum and plasma (A), 923
immunonephelometric assay of

α₁-microglobulin in urine (A), 1064 monoclonal and oligoclonal gammopathies in heart-transplant recipients, 1334 nephelometric detn. of antistreptolysin O (A), 1045

nephelometric detn. of beta₂ microglobulin (A), 1044

serum apolipoprotein levels and early atherosclerosis (A), 926

Immunoprecipitation assay automated immunoprecipitation assay of anti-streptolysin O in human serum on Technicon DPA-1° system (A), 1022 discordant results for CK-MB between

immunoprecipitation and electrophoresis methods (A), 916

Immunoradiometric assay

cathepsin D concn. in breast cancer cytosols: correlation with biochem., histol., and clin. correlation with blockers, firstol., and ci findings (SN), 101 comparison of ferritin by two non-isotopic methods with IRMA (A), 1038 development and validation of

immunoradiometric assay of parathyrin-related protein in unextracted plasma, 678 evaln. of immunoradiometric assay for cathepsin D concentration in breast and endometrial tumors (A), 1055

evaln. of immunoradiometric assay for quantn. of mammary tumor associated antigen (CA

549) (A), 1056 four methods for quantn. of

tour methods for quantn. of choriogonadotropin (A), 1019 high sensitivity ELISA assay for meas. of serum thyroid stimulating hormone (A), 1017 "high-dose hook effect" in IRMA-Count PSA assay of prostate-specific antigen (L), 771 immunochemiluminometric and

immunoradiometric detns. of intact and total immunoreactive parathyrin: performance in the differential diagnosis of

hypercalcemia and hypoparathyroidism, 162 immunoradiometric assay kit for human ventricular myosin light chain I using monoclonal antibodies (A), 1030 immunoradiometric assay of myosin heavy

chain fragments in plasma for investigating myocardial infarction, 78

immunoradiometric assay of pS2 protein in breast cancer cytosols (SN), 1759 interpretations of 5 monoclonal immunoassays of lutropin and follitropin: normalization with WHO standard, 415

IRMA detn. of intact parathyrin evald. in normal children and in patients with various disorders of Ca metab. (SN), 1999

disorders of a flietab. (2017), 1999 isotopic and nonisotopic assays of somatotropin compared: re-evaln. of cutoff value in provocative tests (SN), 273 microparticle enzyme immunoassay and fluorescence polarization for thyroid evaln. (A), 343

novel method for quantg. $\alpha(1\rightarrow 3)$ -L-fucosyltransferase acty. in serum,

purification of monoclonal defined prostate-specific antigen by HPIC (part 2) (A), 1052 quantn. of CA 125 in peritoneal fluid: inhibition of CA 125 response in a one-step IRMA and establishment of two-step assay

format (TB), 760 thyroperoxidase and microsomal antibody

thyroperoxidase and microsomal antibody assays in sera from patients with Graves disease (SN), 1777 ultrasensitive, specific, two-antibody IRMA that defects free alpha subunits of glycoprotein hormones in blood of nonpregnant humans,

unexpected high calcitonin concns. after pentagastrin stimulation (TB), 473 use of two-site immunoradiometric assay for bone alk. phosphatase in investigation of renal bone disease (A), 1067

Immunosensors immunosensors (A), 1097

Immunosuppressive drugs HPLC of rapamycin (TB), 294 role of lipoproteins in transport of immunosuppressive agents (A), 924

Immunotherapy new approaches and advances in immunotherapy (A), 907

Immunoturbidimetry automated meas. of Lp(a) by immunoturbidimetric anal. (A), 919 clin. applns. and standardization of apolipoprotein measurements in diagnostic workup of lipid disorders (E), 619

workup of lipid disorders (E), 619
concn. dependence of immunoturbidimetric
"dose-response" curves (A), 103
effect of plasma triglyceride concns. on
accuracy of immunoturbidimetry of
apolipoprotein B (SN), 748
evaln. of rapid immunochemical assay for
antithrombin III (A), 950
immunoturbidimetric assay for serum
prealbumin without interference by lipemia
(A), 1062

immunoturbidimetric measurement of fibrinogen in human plasma with two clinical chemistry analyzers (A), 1033

immunoturbidimetric method for routine detns. of apolipoproteins A-I and B (SN), 742 interlaboratory comparison of measurements of albumin in urine, 191

of albumin in urine, 191
measuring RF in nonrheumatoid subjects:
immunoturbidimetric assay, latex slide test,
and enzyme-linked immunosorbent assay
compared (SN), 1766
measuring urinary albumin: precision,
substances that may interfere, and
conditions for sample storage (SN), 2120
multicentre evaln. of immunoturbidimetric
assays for apolipoproteins A-I and B (A), 921
multicentre evaln. of sensitive urinary
albumin method in eight laboratories (A),
962

potential problem with standardization of prealbumin (transthyretin) results in immunoturbidimetry (L), 588

Inborn errors of metabolism See Heritable disorders

Indican

elimination of interference from indican in 2,5-DCPD method for total bilirubin by multipoint kinetic analysis (A), 948

Indoxyl chemiluminescent assay of various enzymes using indoxyl derivatives as substrate (A),

Infants See Newborns, Neonates

Infection comparison of nucleic acid hybridization and cytol. examn. for detection of human papillomavirus infection, and evaln. of two comm. available hybridization kits (SN), 260 concerns of lab. workers (A), 895 development of rapid immunoassay for

detection of candida mannan in serum (A), 1046

plasma neopterin as adjunct to C-reactive protein in assessing infection, 2038 RIA of interleukin-6 in plasma, 1691

Infertility
See also Fertility studies
evaln. of semen parameters affecting hamster egg penetration assay (A), 967 radioligand receptor assay for measuring follitropin in serum: appln. to premature ovarian failure, 508 Inflammation

in vivo analysis of murine splenic glycosaminoglycan biosynthesis and sulphate metabolism during acute inflammation (A), 1069 Information for authors

information for authors (E), 1

Infrared spectroscopy
investigation of urinary crysals by Fourier
transform infrared microscopy (SN), 83
quantn. of amphetamine and methamphetamine in human urine by GC/IR/MS (A), 1004

Inherited anomalies See Heritable disorders

Inhibin RIA of inhibin based on synthetic human inhibin α-chain peptide, 40

Inositol effect of diabetes on free polyol pattern in cataractous lenses (SN), 686

Instrumentation See also Discrete analysis, Continuous-flow analysis, etc. clinical evaln. of Beckman Synchron CX®7 (A),

evaln. of Na/K analyzers marketed for physician's office labs. (A), 961

evaln, of Technicon Axon chem, analyzer (A),

977 performance characteristics of enhanced direct bilirubin procedure for use on Olympus AU5000⁶⁸ series of analyzers (A), 968 performance characteristics of new liquid-

stable serum iron procedure for Olympus Reply (A), 982

Insulin

effect of wt. loss on serum lipoprotein(a)
concns. in obese population, 1191
insulin pump implantation for diabetes
mellitus (A), 901
Protein A—Sepharose to measure free insulin
in plasma, 64

Integrins

detn. of serum integrins by enzyme immunoassay using monoclonal antibodies
(A), 1063 Interference

See Analytical error; Variation, source of

"Interferratio" effects of hemolysis, icterus, and lipemia on automated immunoassays (L), 1134

Interlaboratory performance

external quality-assessment scheme with a small number of participants: four years of experience with thyroid-related tests in Israel (SN), 1432

interlab. comparison of glycohemoglobin results: College of American Pathologists survey data (SN), 1725

survey data (SN), 1725 interlaboratory comparison of measurements of albumin in urine, 191 multicenter evaln. of Boehringer Mannheim ES 300 system (A), 981 multicenter evaln. of enzyme-linked immunoassays of follitropin and lutropin in serum or plasma (SN), 1257 turnaround times of lab. services to hospital emergency department eval. of 722 institutions (A), 966

institutions (A), 960

Interleukin enzyme immunoassay for quantn. of human

enzyme immunoassay tor quanti. of numan interleukin 6 (A), 1046 rapid quantn. of soluble interleukin 2 receptors by the IMX Immunoassay System (A), 930

RIA of interleukin-6 in plasma, 1691

Intermethod comparison adaptation of serum angiotensin-converting enzyme measurement to Hitachi 717 (A),

adaptation of "torch" panel EIA kits on Beckman Biomek® (A), 1044 alk. phosphatase isoenzymes: anal. comparison of polyacrylamide gel electrophoresis and isoelectric focusing (A), 909 alternative colorimetric methods for serum Cl

analysis on Hitachi 736 (A), 947 anal. performance of EMITTM cyclosporine assay

evald. (SN), 2130

anal. performance of Reflotron creatinine, creatine kinase, and K in physician office labs. (A), 973

labs. (A), 973
analytical performance of the enzymatic
bicarbonate method on CHEM1 (A), 948
application of turbidimetric apolipoproteins
A-1 and B assays to the 550 Express
analyzer (A), 924

analyzer (A), 924
automated chemiluminescent high sensitivity
TSH assay for Immulite® (A), 1028
automated FPIA for DHEAS using Abbott IMx
analyzer (A), 937
automation of PSA Tandem-E enzyme
immunometric assay on Stratus
autoanalyzer (A), 965
Casensor improvements on the IL Phoenix®

autoanalyzer (A), 965
Ca sensor improvements on the II. Phoenix® chem./electrolyte analyzer (A), 944
carcinoembryonic antigen in serum of patients with colorectal polyps: correlation with histology and smoking status, 651
chemiluminescence and radioimmunology compared for 10 allergens (TB), 474
clin. and anal. evaln. of continuous enzymatic method for measurement of pancreatic lipase acty. (A), 913
clin. performance of IMx ultrasensitive hTSH® test (A), 939
clin. validation of 2nd-generation fructosamine assay (SN), 1252

clin. validation of 2nd-generation fructosamin assay (SN), 1252 comparison of cambridge bioscience, hillcrest biologicals, 3M diagnostics, and diamedix tests for detection of lyme disease (A), 1035 comparison of Dupont analyst and aca for analysis of cholesterol, triglyceride and HDL-cholesterol (A), 928

comparison of four methods for free T, (SN),

comparison of HPLC, RIA, and EMIT assays for routine monitoring of cyclosporine in whole blood (A), 991

comparison of new EIA and Delfia assays for beta-2-microglobulin with B2-micro RIA (A),

comparison of new substrate for gamma-glutamyl transpeptidase with two other substrates (A), 961

comparison of nucleic acid hybridization and cytol. examn. for detection of human papillomavirus infection, and evaln. of two comm. available hybridization kits (SN), 260

comparison of pptn. methods with vertical autoprofile procedure for HDL cholesterol meas. (A), 923

comparison of Tosoh AIA-1200, Abbott TDx, and Pharmacia Delfia methods for detn. of serum thyroxine (A), 942 comparison of two ELISAs of lipoprotein(a) (A),

comparison of whole molecule and total β-hCG methods (A), 935 correlation of Synchron CX® Ca reagent on Synchron CX3/4/5 vs atomic absorption (A), 975

creatinine determination in veterinary medicine with Reflotron® system (A), 1065 cross-reactivity of vancomycin degradation product in 3 immunoassays of vancomycin (TB), 2009

cyclosporine monoclonal immunoassays: FPIA vs RIA (L), 2016 defects in diagnostic kits for detg. urate in

defects in diagnostic kits for detg. urate in serum (SN), 879 detection of propoxyphene in human urine by use of TDx*/ADx* fluorescence polarization immunoassay (A), 1011 detn. of myoglobin by latex photometric immunoassay (A), 1027 detn. of serum and plasma iron using Kodak slides for pediatric patients (A), 967 development of Cedia* Digoxin assay and application to Hitachi* 717 (A), 993 development of lactate dehydrogenase isoenzyme 1 assay for the Du Pont aca* discrete clinical analyzer (A), 971 development of spreadsheet template for comparison of methods according to NCCLS EP9 guidelines (A), 953

EP9 guidelines (A), 953
differences in vancomycin levels detn. by Syva
EMIT and Abbott TDx immunoassays on adult and pediatric specimens (A), 991 discordant results for CK-MB between

immunoprecipitation and electrophoresis methods (A), 916 discrepancies in Na results between the Kodak Ektachem 700 and Beckman CX3 or Radiometer KNA analyzers (A), 931 EMIT monoclonal antibody assay evaluated for

cyclosporine monitoring in whole blood (A), 989

evaln. of Abbott LD-1 isozyme system (A), 916 evaln. of Abbott TDx monoclonal cyclosporine A assay in pediatric cardiac transplant patients (A), 1014

evaln. of Amerlite CK-MB immunoassay (A), evaln. of automated non-isotopic immunoassay for measurement of serum vitamin B12 (A),

evaln. of automated systems for human chorionic gonadotropin (A), 1033 evaln. of BMD ES 300 immunoassay analyzer and comparison with EIA, FPIA, and RIA

methods (A), 970

metnods (A), 910 evaln. of Boehringer Mannheim Corp. Triglycerides-GB method on the BMC/Hitachi 736 analyzer (A), 924 evaln. of EMIT theophylline assay on Technicon

CHEM 1 analyser (A), 973 evaln, of enhanced Na*/K* standard and lithium concentrate for use on Olympus AU5000[®] flame photometer unit (A), 979 evaln. of hemoglobin A₂ quantn. on Bio-Rad

evain. of nemogroun A, quantit. on Dio-rad Diamat analyzer system (A), 951 evaln. of IMx as stat methodology for human chorionic gonadotropin (A), 1045 evaln. of LDL cholesterol levels obtained using precipitation reagent (A), 919 evaln. of LDL cholesterol meas. using a pptn.

assay (A), 927 evaln. of Microgenics Cedia® T₃ assay on Roche Cobas MIRA® chem. analyzer (A), 1032

evaln. of Miles/Technicon DAX-96 analyzer for interferences, and comparison of assay results with SMAC and BM/Hitachi 717 (A),

evaln. of prolactin assay on the IMx (A), 938 evaln. of quant. method for LD-1 on BM/Hitachi 747 (A), 909

bw/fileam 44 (4), 509 evaln. of Stratus* II prolactin assay and comparison with Stratus* and Hybritech* Tandem-E prolactin assays (A), 1046 evaln. of Synchron CX* lactate reagent on

Synchron CX4/5 (A), 976 evaln. of the Kodak Ektachem Enzymatic CO. method (A), 946 evaln. of the Syva ECP Digoxin assay on FARA

II (A), 976
evaln. of the Syva EMIT® ethyl alcohol assay on
Hitachi 737 (A), 992
evaln. of the TDX® monoclonal cyclosporine
assay and comparison to other immunoassay

methods (A), 1013 evaln. of two TIBC methods on Boehringer Mannheim/Hitachi 736 analyzer (A), 972

extended range rapid immunoenzymetric assay to measure serum hCG on Affinity automated immunoassay system (A), 1024

fibrinogen assays: collaborative study of 6 methods (SN), 714

five-way comparison of quinidine (A), 1012 four methods compared for detg. plasma creatinine with the Monarch centrifugal

creatinine with the Monarch Centringal analyzer (TB), 474 four methods for quantn. of choriogonadotropin (A), 1019 glycerol-blanked triglycerides applications to BM/Hitachi 717, 736, 737 and 747 analyzers (A), 922

IgG removal from serum using Isolab Quik-Sep[®] IgM rProtein G affinity method prior to assaying for pathogen-specific IgM (A),

929
immunoreactivity of plasma parathyrinrelated peptide: three region-specific RIAs
and a two-site IRMA compared (SN), 1781
immunoturbidimetric method for routine
detns. of apolipoproteins A-I and B (SN), 742
improved interpretation of enzyme
immunoassay of herpes IgG antibodies by
partial correction for cross-reactivity (TB),
112

112

IMx® HBe, an automated enzyme immunoassay for detection of Hepatitis Be antigen (A), 1029 interlab. comparison of glycohemoglobin results: College of American Pathologists survey data (SN), 1725 isotopic and nonisotopic assays of somatotropin compared: re-evaln. of cutoff value in provocative tests (SN), 273 major disagreements between immunoassays

value in provocative tests (SN), 273 major disagreements between immunoassays of CEA caused by nonspecific cross-reacting antigen 2 (SN), 1736 meas. of glycosylated hemoglobin by rapid electrophoresis (A), 950 meas. of theophylline in serum: comparison of four analytical systems (A), 1017 measuring RF in nonrheumatoid subjects: immunoturbidimetric assay, latex slide test, and enzyme-linked immunosorbent assay compared (SN) 1766 compared (SN), 1766

compared (SN), 1700
measuring urinary albumin: precision,
substances that may interfere, and
conditions for sample storage (SN), 2120
methanol-free chloride for testing on Ciba

Corning 550 Express® analyzer (A), 973 multi-laboratory evaln. of BM/Hitachi 747 system (A), 971

system (A), 971
multicenter evaln. of Boehringer Mannheim
ES 300 system (A), 981
multicentre evaln. of chromogenic method for
antithrombin III detn. using undiluted
plasma on Boehringer Mannheim/Hitachi
analysis systems (A), 952
nephelometric detn. of Beta₂ Microglobulin

(A), 1044

(A), 1044
new receptor-binding assay for glycosylated
low-density lipoprotein (A), 928
novel, rapid membrane-based immunoassay
for detecting antibodies to HIV-1 (A), 1025

performance and clin. reliability of Amerlite[®] FT₄-MAB assay (A), 936
performance characteristics of Reflotron[®] HDL cholesterol, K, creatinine, and creatine kinase (A), 973

performance characteristics of UIBC on the BM/Hitachi 736 analyzer (A), 974

performance evaln. and ref. range study of Ektachem slide method for serum iron and total iron-binding capacity (A), 975 performance evaln. of EMIT cyclosporine a

(A), 990
performance of Cedia® Cortisol assay on the Fisher/IL Monarch® (A), 942
performance of Cedia® total T, assay on Roche Cobas FARA® (A), 944
performance of CORE®-M, Havab®-M and HBsAg assays run together using IMx Select® technology (A), 965
performance of full-scanning ion-trap gas chromatog/mass spectrometry for drugs of abuse in urine (A), 995
pptn. with PEG and density-gradient ultracentrifugation compared for detg. HDL

pptn. with PEG and density-gradient ultracentrifugation compared for detg. HDL subclasses HDL2 and HDL3 (SN), 238 prevalance of non-A, non-B hepatitis/hepatitis C virus antibody in lab. quality-assurance sera (A), 955

purification of monoclonal defined prostate-specific antigen by HPIC (part 2) (A), 1052 quantn. of LDL cholesterol on Paramax using genzyme pptn. reagent (A), 925 quantn. of urinary albumin on Kallestad

OM300 (A), 974
rapid detn. of chloride and bromide ions in serum using cyclicvoltammetric method (A),

recommended linear-regression models for comparison of methods in clin. chem. (A), 960

relationship of serum estradiol and relationship of serum estration and progesterone concist. to excretion profiles of their major urinary metabolites as meas, by enzyme immunoassay and RIA, 838 results of a national collaborative study for

analytical evaln. of cyclosporine immunoassay (A), 957 semi-automated method for adenosine

deaminase acty. (A), 918
six methods for direct radioiodination of
mouse epidermal growth factor compared:
effect of nonequivalence in binding behavior
between labeled and unlabeled ligand (SN),

specific meas. of cyclosporine concns. in whole blood: RIA and FPIA compared (L), 2150 standardization, specificity, and diagnostic sensitivity of four immunoassays for CEA (SN) 231

synthetic soluble bilirubin derivative to assess interference in creatinine measurements (SN), 236

techniques used to detect drugs of abuse in urine: study based on external quality assessment (SN), 442

total T₃ meas. in serum by time-resolved fluorescence immunoassay (A), 1029 two specific immunoassays of cyclosporine compared in liver transplant recipients (L),

urine and serum pregnancy tests compared (L), 302 validation of candidate RIA reference method

for digoxin (A), 999 which parathyrin assay is really best for clin. use? (L), 1464

International Federation of Clinical Chemistry See IFCC

higher substrate specificities to phosphorylcholine and phosphorylethanolamine for human intestinal ALP found in weak alk. pH (A), 917

semi-automated method for adenosine deaminase acty. (A), 918

Intra-individual variation carcinoembryonic antigen in serum of patients with colorectal polyps: correlation with histology and smoking status, 651 within-subject variation of T₄ and T₃ concns. in serum (L), 772

elim. of glucose interference in enzymatic detn. of inulin (L), 2017

ascorbic acid interferes with automated urinary I detn. based on ceric-arsenious acid reaction (TB), 759

Ioenzymes carbonic anhydrase III in serum in muscular dystrophy and other neurological disorders: relationship with creatine kinase, 36

Ion-selective electrodes alternative colorimetric methods for serum Cl analysis on Hitachi 736 (A), 947 analytical performance of the enzymatic bicarbonate method on CHEMI (A), 948

evaln. of Na/K analyzers marketed for physician's office labs. (A), 961

evaln. of Roche ion-selective electrode for meas. chloride in serum or plasma (A), 961 evaln. of the Kodak Ektachem Enzymatic CO₂ method (A), 946 evaln. of urine Na and K on the BM/Hitachi

747 (A), 968

747 (A), 968
human plasma ionized magnesium meas.
during cardiopulmonary bypass with novel
ion-selective electrode: possible relationship
to hypotension after cardioplegia and
coronary spasm post-perfusion (A), 1070
meas. of ionized Mg in blood (A), 945
measuring ionic activity in biological fluids
without error caused by the junctions
potential due to competitional ref. electrodes.

potential due to conventional ref. electrodes

motivation for developing optical se blood electrolyte measurements (E), 1319 new ion-selective electrode for ionized Mg in

whole blood, plasma, and serum (A), 948 performance characteristics of Beckman Synchron CX®7 clinical system for detn. of Na, K, chloride, CO₂, urea nitrogen, glucose, Ca, and creatinine (A), 974 urinalysis with Abbott EPx Spectrum analyzer

(L) 1657

Ion-selective membranes anal. of ion behavior and potentials in Na ion-selective membrane containing methyl monensin, 1375

Ca sensor improvements on the IL Phoenix® chem./electrolyte analyzer (A), 944 motivation for developing optical sensors for blood electrolyte measurements (E), 1319

anal. performance of improved Kodak Ektachem clin. chem. slide for analysis of iron (A), 984

can serum ferritin be effectively interpreted in the presence of the acute-phase response? (E), 484

detn. of serum and plasma iron using Kodak slides for pediatric patients (A), 967

Fe measurement in patients with monoclonal immunoglobulin: a further caution (L), 589 Fe, transferrin, and ferritin in CSF of children (SN), 263

improved method for total iron and UIBC method with Technicon RA-1000 instrument (A), 974

instrument (A), 974
influence of monoclonal Igs in direct detns. of
Fe in serum (SN), 690
iron-endocrine pattern in patients with
β°-thalassemia (A), 940
liver iron detn. for specific disease states using

ICP (A), 985

measurements of serum ferritin used to predict concns. of Fe in bone marrow in anemia of chronic disease (SN), 560 performance characteristics of new liquid-

stable serum iron procedure for Olympus

Reply (A), 982 performance evaln. and ref. range study of Ektachem slide method for serum iron and total iron-binding capacity (A), 975

routine anal. of copper and iron in liver by inductively coupled plasma emission spectroscopy (A), 983

spuriously low iron concentrations on Kodak Ektachem and how to minimize the problem

(A), 933 UIBC, iron, and calculated TIBC on BM/Hitachi 747 (A), 980

urinary and plasma iron and copper in acute heatstroke victims pre- and post-treatment (A), 986

(A), 986

Iron-binding capacity
evaln. of two TIBC methods on Boehringer
Mannheim/Hitachi 736 analyzer (A), 972
improved method for total iron and UIBC
method with Technicon RA-1000
instrument (A), 974
performance characteristics of UIBC on the
BM/Hitachi 736 analyzer (A), 974
performance evaln. and ref. range study of
Ektachem slide method for serum iron and
total iron-binding capacity (A), 975
UIBC, iron, and calculated TIBC on
BM/Hitachi 747 (A), 980

Ischemia-reperfusion tissue injury protection of oxygen free radical-induced lipid peroxidation of liver lysosomes by deferoxamine (A), 1066

ISO-DALT See Electrophoresis, two-dimensional

Isoelectric focusing
See also Electrophoresis, two-dimensional lk. phosphatase isoenzymes: anal. comparison of polyacrylamide gel electrophoresis and isoelectric focusing (A), 909

isoelectric locusing (A), 999
excretion of β₂-glycoprotein I (apolipoprotein
H) in renal tubular disease, 74
heterozygous hypobetalipoproteinemia with
fasting chylomicronemia (CR), 296

identn. of intestinal, intestinal variant, and high-M, alk. phosphatase with the Resolvenign-M, alic. pnosphatase with the resolve-ALP isoelectric focusing system (L), 304 identn. of variant apolipoprotein E by isoelectric focusing and restriction isotyping in type III hyperlipoproteinemia (L), 1308 isoelectric fosuing electrophoresis of

protein-ligand conjugates: effect of the degree of substitution (SN), 87

monoclonal antibody immunoassay for identn. of hemoglobin variants (A), 950 purification of monoclonal defined prostate-specific antigen by PIEF (part 1) (A), 1051

Isoenzymes
See also enzyme of interest

See also enzyme of interest agarose gel electrophoresis of alk. phosphatase isoenzymes with wheat germ lectin and fluorogenic substrate (L), 1309 alk. phosphatase isoenzymes: anal. comparison of polyacrylamide gel electrophoresis and isolverylamide gel electrophoresis and

or polyacrytamide get electrophoresis and isoelectric focusing (A), 909 anti-asialoglycoprotein receptor antibody and intestinal-origin alk. phosphatase in plasma in diabetes (L), 589 association between urinary N-acetyl-β-

glucosaminidase and its isoenzyme patterns and microangiopathy in type 1 diabetes mellitus (A), 1696 automated chemiluminescence immunoassay

automated chemiuminescence inimultoaset test for CK-MB (A), 1029 automated meas. of amylase isoenzymes by double kinetic assay with "blocked" β-2-chloro-4-nitrophenyl maltopentaoside as substrate and with wheat germ inhibitor, 1345

benign inherited hyperphosphatasemia of intestinal origin: two cases and brief review of literature (CR), 1449

of interature (CK), 1449
CK-MB (A), 1041
CK-MB mass determinations in non-traumatic alcoholic rhabdomyolysis (A), 1023
CK-MM IgA complex as cause of markedly elevated serum CK acty, in a child (A), 914
clin. evaln. of Amerlite CK-MB assay (A), 910

clin. evalar. of Amerlite CK-MB assay (A), 910 comparability of alk, phosphatase isoenzyme methods (L), 1301 comparison of Baxter Stratus® II and Abbott IMx® systems in the performance of HCG and CK-MB assays (A), 966 concns. of N-acetyl-β-D-glucosaminidase and its intermediate isoenzymes in serum of patients with renal transplants (TB), 583 detection of myocardial reperfusion by rapid serial CK-MB or total CK assays (A), 909 development of lactate dehydrogenase isoenzyme 1 assay for the Du Pont aca® discrete clinical analyzer (A), 971 diagnostic value of CK-MB percentage of total CK in acute myocardial infarction (A), 912 discordant results for CK-MB between

discordant results for CK-MB between immunoprecipitation and electrophoresis methods (A), 916 effect of elastase and cathepsin G neutral

proteinases from human polymorphonuclear neutrophils on creatine kinase and lactate dehydrogenase isoenzymes (A), 915

electrophoretic procedure for detg. isoenzyme pattern of pancreatic lipase (A), 918 evaln. of Abbott LD-1 isozyme system (A), 916 evaln. of Amerlite CK-MB immunoassay (A),

evaln. of new calibrators for creatine kinase evaln. of new calibrators for creatine kinase MB isoenzyme on Baxter Stratus® (A), 912 evaln. of quant. method for LD-1 on BM/Hitachi 747 (A), 909 guidelines for interpreting CK-MB relative index value (A), 916 identin. of intestinal, intestinal variant, and high-M, alk. phosphatase with the Resolve-ALP isoelectric focusing system (L), 304 interactions among anti-creatine kinase monoclonal antibodies and creatine kinase isoforms: differential inhibition and anti-inhibition (A). 916

inhibition (A), 916

LD-1 isoenzymes in serum detd. by Na perchlorate inhibition (L), 1300 LD, CK, and their isoenzymes in pleural

effusions, 1909 lipase isoenzymes in diagnosis of acute

pancreatitis (A), 909 lipase isoforms and amylase isoenzymes:

lipase isoforms and amylase isoenzymes:
assays and appln. in diagnosing acute
pancreatitis, 361
multiple forms of alk. phosphatase in plasma
of hemodialysis patients (E), 783
multiple forms of alk. phosphatase in plasma
of hemodialysis patients, 815
myoglobin and CK-MB tests for the diagnosis
of acute myocardial infarction in emergency
room patients (A), 978

rouin paueits (A), 370 neuron-specific enolase concns. in serum in benign liver diseases (SN), 579 PI-isozyme of glutathione S-transferase may be a serum marker for solid tissue (epithelial

to a serum marker for solid tissue (epithelia cell) tumors (A), 1052 presence of "flipped" LDH isoenzyme pattern in serum from children with acute leukemia (L), 1805

(L), 180b prognostic value of rate of decline of CK and MB-isoenzyme acty. after acute myocardial infarction (L), 2155 quantifying bone and liver alk. phosphatase by resolution of two-component inactivation data obtained with a centrif, analyzer, 347

rapid sepn. and quantn. of bone and liver isoenzymes of alk. phosphatase by agarose gel electrophoresis using wheat germ lectin and fluorescent substrate (A), 914

and nuorescent substrate (A), 914
Stroponin T in suspected ischemic myocardial
injury compared with mass and catalytic
concns. of S-CK-MB (SN), 1405
serum CK 2 (CK-MB) in myocardial infarction:
measure activity, percentage of total CK, or
both 2 (1, 205

both? (L), 305 serum LD 4/5 ratio discriminates between

serum LD 4/5 ratio discriminates between hepatocarcinoma and secondary liver neoplasia (SN), 1419 specificity of an antibody for precipitating the MB, isoform of creatine kinase-MB (A), 1023 streptokinase dependent inhibitor of LD isoenzymes in human plasma (A), 917 time course of changes in pancreatic enzymes, isoenzymes, and isoforms in serum offer.

isoenzymes, and isoforms in serum after endoscopic retrograde cholangiopancreatography, 1602 total LD and its isoenzymes in serum of

patients with infectious mononucleosis (SN), 116

use of chem. denaturation for centrifugal analyzer detn. of LD-1 (L), 1464 use of creatine kinase-MB and MB isoforms for non-invasively assessing reperfusion after thrombolytic therapy in acute myocardial

infarction (A), 913
verification of plasma-based calibrators for use
with Stratus® creatine kinase-MB assay (A),

verification of plasma-based calibrators for use with Stratus® creatine kinase-MB assay (A),

Isoforms

of patients with breast cancer: comparison with CA 15-3, CA 549, CA M29, and CK BB (A), 1051 serum catalase: reversibly formed charge

isoform of erythrocyte catalase, 2043 vaginal immunodetection of an isoform of fibronectin indicating rupture of amniotic membranes (A), 1041

Isoluminol

chemiluminescence immunoassay of aldosterone in serum (SN), 1987

complexes of CK and immunoglobulins in serum identified by nonimmune binding method, 173

Jaffé reaction See Creatinine **Ketone bodies**

neas. of β-hydroxybutyrate in urine on Hitachi 705 (A), 947 novel solid-pha urine, 1565 ssay of ketone bodies in

Kidney disease

See also Calculous disease, Renal disease, Renal function

Kenal function concns. of N-acetyl-β-D-glucosaminidase and its intermediate isoenzymes in serum of patients with renal transplants (TB), 583 dipstick for rapid, simple detection of N-acetyl-β-D-glucosaminidase in urine (A), 911

reactive oxygen species induce lipidic mediators relea se by cultured rat mesangial

Kidney function

effects of germanium health supplements in rat (A), 985 role of the lab. in evaln. of kidney function (R),

Kidney transplant

collagen-linked fluorescence in diabetic and non-diabetic recipients of kidney transplants

non-diabetic recipients of kidney transplant (A), 1068 specific measurements of cyclosporin A in kidney, heart, and liver transplant patients by RIA with monoclonal antibody and ¹²⁸1 tracer (A), 1019

Kinetic analysis
elimination of interference from indican in
2,5-DCPD method for total bilirubin by
multipoint kinetic analysis (A), 948 quantg. tiss (A), 1101 tissue injury and prognosis in AMI

usefulness of Cornish–Bowden equation to determine some kinetic constants of thrombin-S2238 (A), 951

Kinetic assays

Abuscreen® Online® immunoassay for cannabinoids in urine on Cobas FARA® II analyzer (A), 1007

Abuscreen® Online® immunoassay for cannabinoids in urine on Hitachi 717

automated analyzer (A), 1011
Abuscreen® Online® immunoassay for cocaine

metabolite in urine on Cobas FARA® II analyzer (A), 1006 Abuscreen® Online® immunoassay for cocaine metabolite in urine on Olympus AU 5121 and 5131 automated analyzers (A), 1000

and 5131 automated analyzers (A), 1000
Abuscreen **Online*** immunoassay for
detection of amphetamine in urine on Cobas
MIRA** automated analyzer (A), 995
Abuscreen Online** immunoassay for
detection of benzodiazepines in urine on

Cobas MIRA (A), 995
Abuscreen® Online® immunoassay for

methamphetamine in urine on Cobas MIRA® automated analyzer (A), 1007 Abuscreen® Online® immunoassay for opia in urine on Cobas FARA® II analyzer (A),

Abuscreen® Online® immunoassay for opiates in urine on Hitachi 717 automated analyzer (A) 1006

(A), 1006
Abuscreen® Online® immunoassay for opiates
in urine on the Olympus AU 5121 and 5131
automated analyzers (A), 1000
Abuscreen® Online® immunoassay for THC
metabolites in urine on Olympus AU 5121

and 5131 automated analyzers (A), 1017 development of kinetic method for serum

bicarbonate using Boehringer Mannheim/Hitachi analyzers (A), 945 multicenter evaln. of kinetic assay for detn. of N-acetyl-β-D-glucosaminidase in urine (A), 963

new kinetic colorimetric method for serum lipase assay evaluated (A), 915

Kinetic enzyme assay automated meas. of amylase isoenzymes by double kinetic assay with "blocked" β-2-chloro-4-nitrophenyl maltopentaoside as

substrate and with wheat germ inhibitor, complexes of CK and immunoglobulins in serum identified by nonimmune binding

method, 173
EMIT® ethyl alcohol assay for use on most clin.

analyzers (A), 993
improved direct spectrophotometry for routine
detn. of superoxide dismutase acty. (SN), 1993

influence of enzymatic kinetic model on selection of reaction conditions for extending the linear range of kinetic methods (L), 1463 predictive, error-compensating kinetic method for enzymatic quantn. of creatinine in serum, 1338

simult. automated meas. of serum creatine

kinase and pyruvate kinase with double kinetic assay (A), 911 time course of changes in pancreatic enzymes, isoenzymes, and isoforms in serum after endoscopic retrograde cholangiopancreatography, 1602

defects in diagnostic kits for detg. urate in serum (SN), 879 immunoturbidimetric method for routine detns. of apolipoproteins A-I and B (SN), 742 interferences with 17-hydroxyprogesterone detn. in amniotic fluid (L), 2154

Laboratory management how to create a climate for motivation of your staff (A), 1102 how to justify and budget for instrumentation

(A), 1102 management of the clin. lab. in the year 2000

(A), 1103 managing a clin. lab. under CLIA (A), 1102

Laboratory safety
Abbott Prism: multichannel heterogeneous chemiluminescence immunoassay analyzer (S), 1540

(S), 1540
effect of heat treatment of sera for deactivation of AIDS virus on commonly monitored serum analytes (A), 932 integrated blood-collection system as a vehicle into complete clin. lab. automation (S), 1548 prevalence of non-A, non-B hepatitis / C virus antibody in lab. quality-assurance

Lactate

assay for detn. of lactic acid using the Dupont Dimension® clin. chem. system (A), 946 evaln. of Synchron CX® lactate reagent on Synchron CX4/5 (A), 976 lactate analyzer with continuous blood

sampling for monitoring blood lactate during physical exercise (SN), 1978

Lactate dehydrogenase development of lactate dehydrogenase isoenzyme 1 assay for the Du Pont aca® discrete clinical analyzer (A), 971

discrete clinical analyzer (A), 971 effect of elastase and cathepsin G neutral proteinases from human polymorphonuclear neutrophils on creatine kinase and lactate dehydrogenase isoenzymes (A), 915 effects of storage time and temp. on urinary enzymes (SN), 1436 evaln. of Abbott LD-1 isozyme system (A), 916 evaln. of quant. method for LD-1 on BM/Hitachi 747 (A), 909

EMA/ITHEACH ''47 (A), 909
LD-1 isoenzymes in serum detd. by Na
perchlorate inhibition (L), 1300
LD, CK, and their isoenzymes in pleural
effusions, 1909
presence of "flipped" LDH isoenzyme pattern
in serum from children with acute leukemia
(L), 1805 (L), 1805

(L), 1800 serum LD 4/5 ratio discriminates between hepatocarcinoma and secondary liver neoplasia (SN), 1419

streptokinase dependent inhibitor of LD isoenzymes in human plasma (A), 917 total LD and its isoenzymes in serum of

patients with infectious mononucleosis (SN), 116

use of chem. denaturation for centrifugal analyzer detn. of LD-1 (L), 1464

amini logistic-regression model for assessing portal hypertension by measuring hyaluronic acid (hyaluronan) and laminin in serum, 30 serum laminin P, in metastatic colon carcinoma (TB), 1795

Lasers
high-sensitivity laser-induced fluorescence
detection for capillary electrophoresis (S),

Latex agglutination particle-enhanced turbidimetric immunoassay of sex-hormone-binding globulin in serum,

Latex agglutination immunoassay appln. of the Biokit Quantex plus antistreptolysin-O assay to Beckman Synchron* CX 4/5 system (A), 1022

slide latex assay for rapid semi-quantn. of urinary retinol binding protein (A), 1064

Latex immunoassay detn. of myoglobin by latex photometric immunoassay (A), 1027 rapid, automated latex immunoassay for detg. Hb A_{1c} on Technicon RA $^{(0)}$ systems (A), 1043

Latex particle immunoassay assessment of microalbuminuria by homogeneous latex particle immunoasse the Ciba Corning 550 Express (A), 1032

See Lactate dehydrogenase

blood-collection device for trace and ultra-trace metal specimens evaluated (SN), 709 clin. sensitivity of zinc protoporphyrin as screening procedure for lower-level leadpoisoned urban children (A), 989

elim. of matrix and spectral interferences in meas. of Pb and Cd. in urine and blood by electrothermal AAS with D₂ background correction, 1583 erythrocyte protoporphyrin screening test for low Pb exposure in children: impact of lowering the B-Pb action threshold, 216 improved earnel a report for securate defen of

improved sample prepn. for accurate detn. of low concns. of Pb in whole blood by graphite

furnace analysis, 515

enzymatic fluorometric procedure for phospholipid quantn. with automat

microtiter plate fluorometer (SN), 868

Lecithin cholesterol acyltransferase
development of ELISA for estimation of human apolipoprotein A-I in plasma without need for denaturation (A), 923

Lecithin/sphingomyelin ratio
See also Amniotic fluid, Fetal status
amniotic fluid fluorescence polarization and
lecithin/sphingomyelin ratio as predictors
for fetal lung maturity (A), 919
amniotic fluid phospholipid "analysis"? (E),

effects of maternal diabetes, twins, and amniotic fluid contaminants on Abbott TDX® FLM assay (A), 922 meas. of L/S ratio in amniotic fluid by fast

atom bombardment mass spectrometry,

monitoring fetal lung maturity, in high-risk pregnancies (A), 988

complexes of CK and immunoglobulins in serum identified by nonimmune binding method, 173

effect of diabetes on free polyol pattern in cataractous lenses (SN), 686

Leukemia carboxyterminal propeptide of type I procollagen in CSF in childhood and in children with leukemia undergoing intrathecal treatment, 1365

Intratneca treatment, 1993 lycopene inhibits growth of HL-60 promyelocytic leukemia cell line (A), 1056 presence of "flipped" LDH isoenzyme pattern in serum from children with acute leukemia

(L), 1805

(L), 1805
Leukocytes
coupled HPLC/RIA for zidovudine metabolites
in leucocytes (A), 1018
detection of human apolipoprotein E3, E2, and
E4 genotypes by an allele-specific
oligonucleotide-primed PCR assay:
development and validation (SIN), 1263
glucocorticoid receptors in normal leukocytes:

effects of age, gender, season, and plasma cortisol conens., 1715 interference of hemo lube in

interference of nemo tube in basophil/lobularity channel of Technicon H*1 hematology analyzer (A), 935 lack of correlation of phosphorylated zidovudine in patient leucocytes with ZDV dose and serum concentration (A), 992

rare error in glucose detn. in hemolysate (L), 590

Lidocaine

monoethylglycinexylidide liver function test in rats: lidocaine dose (A), 1065

Ligation chain reaction detection of HIV DNA sequences using ligase chain reaction (A), 1059 sensitive fluorescence method for detecting DNA ligation amplification products (S)

1522
Light-chain proteins
κ/λ index for confirming urinary free light
chain in amyloidosis AL and other plasma
cell dyscrasias (CR), 1122
"ladder light chain" or "pseudo-oligoclonal"
distinctive pattern in urinary
immunofixation electrophoresis studies:
explanatory hypothesis relating to free
polyclonal light chains, 1559
monoclonal and oligoclonal gammopathies in
heart-transplant recipients, 1334
restricted electrophoretic heterogeneity of Ig

restricted electrophoretic heterogeneity of Ig light chain in urine: a cause for confusion

with Bence Jones protein, 1570
use of immunoglobulin heavy-chain and
light-chain meas. in multicenter trial to
investigate monoclonal components: I. detection, 1917

use of immunoglobulin heavy-chain and light-chain meas. in multicenter trial to investigate monoclonal components: II. classification by computer-based algorithms, 1922

Likelihood ratios

ikelihood ratios graphic reporting format for maternal serum alpha-fetoprotein and comprehensive "P.A.C.E. profile" (A), 953 likelihood ratio function to aid in interpretation of TDX FLM results (A), 988

interpretation of IDA FLM results (A), 996 likelihood ratios and graphical methods for assessing clinical test performance (A), 953 logistic-regression model for assessing portal hypertension by measuring hyaluronic acid (hyaluronan) and laminin in serum, 30

Linkage analysis protocol for DNA-based linkage analysis in fragile-X syndrome (A), 1058

Lipase clin. and anal. evaln. of continuous enzymatic

clin. and anal. evaln. of continuous enzymatic method for measurement of pancreatic lipase acty. (A), 913 detn. of serum lipase activity by turbidimetric method using colipase (A), 910 diagnostic and prognostic utility of phospholipase A acty. in patients with acute pancreatitis: comparison with amylase and

pancreatitis: comparison with amylase and lipase, 356 electrophoretic procedure for detg. isoenzyme pattern of pancreatic lipase (A), 918 improved assay for serum lipase on Du Pont aca* discrete clinical analyzer through colipase activation (A), 910 lipase acty, in serum measured with Ektachem

lipase acty. in serum measured with Ektachem is often increased in nonpancreatic disorders (SN), 447 mes in nonpancreatic disorders (SN), 447 mes in diagnosis of acute pancreatitis (A), 909 lipase isoforms and amylase isoenzymes: assays and appln. in diagnosing acute pancreatitis, 361 new kinetic colorimetric method for serum lipase assay evaluated (A), 915 time course of changes in pancreatic enzymes, isoenzymes, and isoforms in serum after endosconic retrograde.

endoscopic retrograde cholangiopancreatography, 1602

Lipemia

immunoturbidimetric assay for serum prealbumin without interference by lipemia (A), 1062

(A), 1002 performance characteristics of UIBC on the BM/Hitachi 736 analyzer (A), 974 serum index identifies lipemic samples causing interference with bilirubin assay on Hitachi 717 (L), 2014

Lipids

ipids
alterations of serum lipids in breast cancer:
effects of disease acty., treatment, and
hormonal factors, 2193
atomic force microscopy: seeing molecules of
lipid and immunoglobulin (S), 1497
changes in lipid profile and apolipoprotein
levels in patients with stroke (A), 926
clin, applns, and standardization of

clin. appins. and standardization of apolipoprotein measurements in diagnostic workup of lipid disorders (E), 619 current and future approaches for treatment of hyperlipidemia (A), 1098 dietary fat and polyunsaturated/saturated fat ratio influences serum lipids in old, female, non-human primates (A), 929 effect of cartonyil on serum livids lipoproteins

non-human primates (A), 929
effect of captopril on serum lipids, lipoproteins
and apolipoproteins in patients with
hypertension (A), 927
effect of different estrogen-progestin
treatments in post-menopausal women:
impact on lipids and lipoproteins (A), 920
effect of impaired glucose and lipid metabolism
on serum fructosamine values in Chinese

on serum ructosamine vatues in Chimese (A), 937
effects of low molecular weight heparine on blood lipids during application in chronic hemodialysis patients (A), 927
enzymatic fluorometric procedure for phospholipid quantn. with automated microtiter plate fluorometer (SN), 868
in vitro solubilization of aortic unesterified cholesterol-rich lipid particles by high-density lipoproteins (A), 921
lack of effect of acute alcohol ingestion on plasma lipids (TB), 1649
lipid and apolipoprotein parameters in selected anemic conditions (A), 825
lipoprotein levels in atherosclerosis (A), 892
multicentre evaln. of immunoturbidimetric assays for apolipoproteins A-I and B (A), 921
obesity, lipids, heart disease (A), 1098

plasma lipoprotein peroxidation potential: test to eval. individual susceptibility to peroxidation (A), 929 plasma very-long fatty acid anal. using toxi-lab thin-layer chromatog. (A), 925 prevention and regression of human atherosclerosis by lipid lowering (A), 893 relationships between 'H NMR properties of plasma lipoproteins and cancer, 369 role of ATP-citrate lyase in chronic alcoholics and its effect on lipid metabolism (A), 929 serum apolipoprotein levels and early atherosclerosis (A), 926

atherosclerosis (A), 926

Lipoperoxides

properoxides
free and bound malondialdehyde measured as
thiobarbituric acid adduct by HPLC in
serum and plasma (SN), 1423
improved fluorometric detn. of malonaldehyde
(SN), 1273

Lipoproteins See also Cholesterol

abnormal concns. of CII, CIII, and E apolipoproteins among apolipoprotein B-containing, B-free, and A-I-containing lipoprotein particles in hemodialysis patients, 387 alterations of serum lipids in breast cancer:

effects of disease acty., treatment, and hormonal factors, 2193 automated meas. of Lp(a) by

automated meas. of Lp(a) by immunoturbidimetric anal. (A), 919 calcn. of high density lipoprotein cholesterol from total cholesterol, triglycerides, and apolipoproteins A-1 and B (A), 928 cholesterol distribution between HDL subfractions HDL₂ and HDL₂ detd. in serum by discontinuous gradient gel

oy discontinuous grament ger electrophoresis, 1149 comparison of pptn. methods with vertical autoprofile procedure for HDL cholesterol meas. (A), 923 comparison of two ELISAs of lipoprotein(a) (A), 919

concns. of subfraction HDL2 and lipoprotein

A-I in a random population of healthy subjects, 2111 development of lipoprotein(a) quantified by ELISA with plasminogen antibodies and apolipoprotein B antibodies (A), 926 direct measurement of HDL cholesterol by the

Reflotron assay with no manual pptn. step (SN), 435

effect of captopril on serum lipids, lipoproteins and apolipoproteins in patients with hypertension (A), 927 effect of different estrogen-progestin

treatments in post-menopausal women: impact on lipids and lipoproteins (A), 920 effect of highly unsaturated fatty acids on lipoprotein metabolism of patients on chronic hemodialysis (A), 921

effect of plasma triglyceride concns. on

effect of plasma triglyceride conens. on accuracy of immunoturbidimetry of apolipoprotein B (SN), 748 effect of wt. loss on serum lipoprotein(a) conens. in obese population, 1191 ELISA for detection of apolipoprotein B in human serum and plasma (A), 923 enzymatic fluorometric procedure for phospholipid quantn. with automated microtiter plate fluorometer (SN), 868 enzyme_lipided immunosophent seaso of enzyme_lipided immunosophent seaso of

enzyme-linked immunosorbent assay of apolipoprotein E-AII complex in plasma,

evaln. of clin. utility of plasma lipoprotein levels derived by proton NMR spectroscopy (A), 918

evaln. of LDL cholesterol levels obtained using precipitation reagent (A), 919 evaln. of LDL cholesterol meas. using a pptn.

assay (A), 927 evaln. of nephelometric method for detn. of

Lp(a) (A), 922

Lp(a) (A), 922 heterozygous hypobetalipoproteinemia with fasting chylomicronemia (CR), 296 hypercholesterolemia: diet, aging, and genes as effectors of LDL receptor acty. (A), 892 improved fluorometric detn. of malonaldehyde (SN), 1273

(SN), 12/3 in vitro solubilization of aortic unesterified cholesterol-rich lipid particles by high-density lipoproteins (A), 921 influence of intermed.-density lipoproteins on accuracy of the Friedewald formula (SN),

influence of LDL particle size on meas. of apolipoprotein B (L), 1139

isolating and quantg. intermediate and β-VLDL cholesterol, 1913 lack of effect of acute alcohol ingestion on plasma lipids (TB), 1649

lipid and apolipoprotein parameters in selected anemic conditions (A), 925 lipoprotein modn.: adjunct to plasma lipid and ipoprotein moun.: aquinct to plasma ipin and lipoprotein levels in atherosclerosis (A), 892 lipoprotein particles: improved pathophysiol. approach to diagnosis and treatment of dyslipoproteinemias (A), 893 modified gradient gel electrophoresis method for anal. of high density lipoprotein particles (A), 690.

(A) 920

(A), 920 normal HDL and HDL, cholesterol in female patients on high flux hemodialysis (A), 922 pathophysiol. of hyperapobetalipoproteinemia: role of basic proteins I, II, III (R), 317 plasma lipoprotein peroxidation potential: test to eval. individual susceptibility to peroxidation (A), 929

plasma lipoprotein peroxidation potential: test to evaluate individual susceptibility to

piasma ipoprotein peroxidation potential: test to evaluate individual susceptibility to peroxidation (SN), 1756 pptn. with PEG and density-gradient ultracentrifugation compared for detg. HDL subclasses HDL2 and HDL3 (SN), 288 quantn. of LDL cholesterol on Paramax using genzyme pptn. reagent (A), 925 quantn. of lipoprotein(a) in dried blood spots and screening for above-normal lipoprotein(a) concns. in newborns (SN), 706 quantn. of plasma lipoproteins by 'H NMR spectroscopy, 377 rapid isolation of intermediate-density lipoprotein from serum of patients with type III hyperlipoproteinemia by density gradient ultracentrifugation (A), 921 relationship between lipoprotein(a) and other indices of cardiovascular risk (A), 924 relationship of lipoprotein(a) to variables of

relationship of lipoprotein(a) to variables of coagulation and fibrinolysis in healthy

coagulation and inbrinolysis in healthy population, 1950 relationships between 'H NMR properties of plasma lipoproteins and cancer, 369 role of lipoproteins in transport of

role of lipoproteins in transport of immunosuppressive agents (A), 924 serum concns. of lipoprotein(a) during normal pregnancy and postpartum (TB), 2009 single-spin density-gradient ultracentrif. vs gradient gel electrophoresis for detecting LDL heterogeneity, 853 size modn. of hepatic endosmal lipoproteins incubated in vitro (A), 925 use of cholesterol/triglyceride ratio and the Friedewald formula (L), 1132

Friedewald formula (L), 1132

Liposomes

automated assays of liposome immunolysis for phenytoin, phenobarbital, and carbamazepin (A), 1015

encapsulation of Eu in liposomes for use in amplified immunoassay detection system (S), 1519

in vitro solubilization of aortic unesterified cholesterol-rich lipid particles by high-density lipoproteins (A), 921

Lithiasis

See Calculous disease Lithium

evaln. of enhanced Na⁺/K⁺ standard and lithium concentrate for use on Olympus AU5000[®] flame photometer unit (A), 979 massive overdoses with sustained-release

Li₂CO₃ prepns.: pharmacokinetic model based on two case studies, 1205

Liver
development of the BAP Tandem-R® assay for
the specific detection of bone alk.
phophastase (A), 1019

phophastase (A), 1019 liver iron detn. for specific disease states using ICP (A), 985 protection of oxygen free radical-induced lipid peroxidation of liver lysosomes by deferoxamine (A), 1066

rapid sepn. and quantn. of bone and liver isoenzymes of alk. phosphatase by agarose gel electrophoresis using wheat germ lectin and fluorescent substrate (A), 914

and nucrescent substrate (A), 914
routine anal. of copper and iron in liver by
inductively coupled plasma emission
spectroscopy (A), 983
semi-automated method for adenosine

deaminase acty. (A), 918
size modn. of hepatic endosomal lipoproteins
incubated in vitro (A), 925

Liver disease See also Liver function, Hepatic disease CA 125 in serum and ascitic fluid of patients with liver diseases, 1379

concn. and two-dimensional electrophoretic analysis of unprocessed human urinary proteins (A), 1063 effect of elevated bile acid levels on digoxin

surements using immunoassays (A),

1006
incidence of antibody to hepatitis C virus in sera of human subjects in hospital setting as determined by Abbott HCV ELA (A), 1025 logistic-regression model for assessing portal hypertension by measuring hyaluronic acid (hyaluronan) and laminin in serum, 30

monitoring treatment of alcoholic liver disease: evaluation of various severity

indices (R), 5 neuron-specific enclase concns. in serum in benign liver diseases (SN), 579

semi-automated method for adenosine deaminase acty. (A), 918 serum carnosinase activity in disease states

(A), 916 Liver function

See also Liver disease drug metabolism as indicator of liver function (A), 1099

indocyanine green-sulfobromophthalein pharmacokinetics for diagnosing primary biliary cirrhosis and assessing histological severity, 1688

severity, 1688
monoethylglycinexylidide liver function test in
rats: lidocaine dose (A), 1065

Liver transplant
drug metabolism as indicator of liver function
(A), 1099
specific measurements of cyclosporin A in
kidney, heart, and liver transplant patients
by RIA with monoclonal antibody and ¹⁸⁸I
tracer (A), 1019
two specific immunoassays of cyclosporine
compared in liver transplant recipients (L).

compared in liver transplant recipients (L), 2020

eliminating undesired cross-reactants by using mixtures of antibodies: exptl. and theoretical evalns. of hapten RIAs, 394

Luminescence

evaln. of Amerlite CK-MB immunoassay (A), 914

914
immunometric assay for alpha fetoprotein
based on enhanced luminescence (A), 1040
time-resolved fluorescence detection of
enzyme-amplified lanthanide luminescence
for nucleic acid hybridization assays (S),
1506

Luminescence immunoassay
Amerlite[®] Estradiol-60: results obtained
during stimulation of ovulation (A), 1047
BeriLux* AFP, rapid and sensitive coated tube
luminescence immunoassay for detn. of
human AFP (A), 1037
development of enhanced luminescence
"labelled antibody" immunoassay for free T₃
(A) 943

(A), 943

rapid, non-radioactive microtiter plate assay to detect and differentiate PCR amplified HTLV-I and II DNA (A), 1057

Lung cancer biochemical markers in bronchial lavage fluid of lung cancer patients (A), 1053

Lung disease LD, CK, and their isoenzymes in pleural effusions, 1909 serum levels of γ-enolase in patients with bronchogenic carcinoma (Å), 1055

Lupus erythematosus See also Systemic lupus erythematosus

Lutropin

automated chemiluminescence immunoa test for luteinizing hormone (A), 1018 automated chemiluminescence immunoa

test for luteinizing hormone (A), 1018 individual differences in lutropin immunoreactivity revealed by monoclonal antibodies, 333

antibodies, 333 interpretations of 5 monoclonal immunoass of lutropin and follitropin: normalization with WHO standard, 415 monoclonal antibodies to lutropin: are our immunoassays too specific? (E), 311 monoclonal antibody-based discrepancies between two-site immunometric tests for lutropin (SN), 1745 multicenter evaln. of enzyme-linked immunoassays of follitropin and lutropin in the property of the standard stand

immunoassays of follitropin and lutropin in serum or plasma (SN), 1257

sensitive, specific immunochemiluminometric assay for luteinizing hormone in serum and urine (A), 1038

lycopene inhibits growth of HL-60 promyelocytic leukemia cell line (A), 1056

Lyme disease

yme disease comparison of cambridge bioscience, hillcrest biologicals, 3M diagnostics, and diamedix tests for detection of Lyme disease (A), 1035 update on lab. testing for Lyme disease (A), 1102

Lymphocytes
PCR detection of integrated HIV-1 DNA in
peripheral blood lymphocytes from infected
individuals at various stages of disease (A), 1060

Lysosomes
protection of oxygen free radical-induced lipid
peroxidation of liver lysosomes by
deferoxamine (A), 1066 Macroamylasemia discrepancies between methods for amylase in

cases of macroamylasemia (L), 2159 Macroenzymes macromolecular CK type 1: serum marker

associ. with disease, 430

Macromolecular complex
applications of time-resolved fluorometry in
molecular biology techniques (A), 1060

molecular biology techniques (A), 1060
Magnesium
biol. variation of urinary Mg (TB), 1794
blood magnesium parameters in patients with
chronic magnesium deficiency (A), 1069
blood magnesium parameters in patients with
severe alcoholism (A), 1069
evaln. of eight urine assays on Ciba Corning
550 Express (A), 964
human plasma ionized magnesium meas.
during cardiounlungary hopses with novel

during cardiopulmonary bypass with novel ion-selective electrode: possible relationship

ion-selective electrode: possible relationship to hypotension after cardioplegia and coronary spasm post-perfusion (A), 1070 increased on-board stability for the magnesium procedure used on Olympus AU5000⁶⁸ series of chem. analyzers (A), 962 longitudinal study of magnesium, manganese,

and zinc in blood components from Type I diabetic children (A), 984 magnesium and rubidium in CSF of patients

with brain tumors, leukemia, or other noncerebral neoplasms and neurological disorders (A), 986 meas. of ionized Mg in blood (A), 945 micro anal. for Mg in myocardial biopsies (SN),

whole blood, plasma, and serum (A), 948 ref. interval for ultrafilterable magnesium in serum /Plasma (A), 985 ref. magnesium in serum /Plasma (A), 985 ref. magnesium in serum ref. plasma (A), 985 ref. plasma re

Malate dehydrogenase reduced thio-nicotinamide adenine dinucleotide: alternative to meas. dehydrogenase reactions in the visible region (A), 915

Malonaldehyde

(alonaldehyde free and bound malondialdehyde measured as thiobarbituric acid adduct by HPLC in serum and plasma (SN), 1423 improved fluorometric detn. of malonaldehyde (SN), 1273 plasma lipoprotein peroxidation potential: test to evaluate individual susceptibility to peroxidation (SN), 1756

peroxidation (SN), 1756

Manganese
concn. of Mn-superoxide dismutase in serum
in acute myocardial infarction (SN), 458
factors affecting detns. of Mg in serum by
atomic absorption spectrometry (SN), 723
longitudinal study of magnesium, manganese,
and zinc in blood components from Type I
diabetic children (A), 984

Mannose

interference of D-mannose in glucose measurements by glucose oxidase and hexokinase methods (L), 477 interference of D-mannose, antiglycolytic agent, in glucose detns. (L), 1308

Marijuana
ultrasensitive meas. of
Δ-9-tetrahydrocannabinol with a High
Energy Dynode detector and electroncapture negative chem.-ionization mass spectrometry, 2062

Mass spectrometry
bile acids and conjugates identd. in metab.
disorders by fast atom bombardment and tandem mass spectrometry, 2102

certified ref. material for serum cholesterol

certined ret. material for serum choiesterol concn. meas. (A), 925 detn. of serum cholesterol by IDMS with a benchtop capillary GC/MS: comparison with National Reference System Definitive and Ref. Methods, 1161

fast atom bombardment mass spectrometry of new fluorinated derivatives of carnitine and acylcarnitines (A), 920

isotope dilution mass spectrometry detn. of platinum in biological fluids of cancer patient (A), 993

liver iron detn. for specific disease states using ICP (A), 985
meas. of L/S ratio in amniotic fluid by fast

atom bombardment mass spectrometry,

1370
multielement anal. of biol. samples by inductively coupled plasma—mass spectrometry. Il. rapid survey method for profiling trace elements in body fluids, 210 performance of full-scanning ion-trap gas chromatog./mass spectrometry for drugs of abuse in urine (A), 995
quantn. of amphetamine and methamphetamine in human urine by

methamphetamine in human urine by GC/IR/MS (A), 1004 trace metal anal. in blood by inductively coupled plasma mass spectrometry: appln. to

lead (A), 987

Mensles

quantn. of virus-specific antibodies in CSF and serum: sensitive and specific detection of antibody synthesis in brain, 1153

Mechanized analysis

See Centrifugal analyzer, Continuous-flow an alysis, Discrete analysis, Instrumentation, Random-access analysis

isolation and characterization of Zn coproporphyrin I: major fluorescent component in meconium, 1173 major disagreements between immunoassays

of CEA caused by nonspecific cross-reacting antigen 2 (SN), 1736

Melatonin

direct RIA of 6-sulfatoxymelatonin in plasma with use of an iodinated tracer, 536

Meningitis detection and identn. of meningitis-causing bacteria using polymerase chain reaction

Fe, transferrin, and ferritin in CSF of children (SN), 263

RIA of interleukin-6 in plasma, 1691

Menopausal status concn. of urinary hydroxyproline/creatinine, and Ca/creatinine in normal and osteoporotic women in early

osteoporotic women in early
postmenapousal period (A), 937
effect of different estrogen-progestin
treatments in post-menopausal women:
impact on lipids and lipoproteins (A), 920
prevention of heart disease by postmenopausal
estrogen replacement (A), 1098
relationship of lipoprotein(a) to variables of
coagulation and fibrinolysis in healthy
population, 1950
lenorrhadic

Menorrhagia

objective method for measuring menstrual blood loss (A), 952

Menstrual cycle objective method for measuring menstrual blood loss (A), 952 radioligand receptor assay for measuring

follitropin in serum: appln. to premature ovarian failure, 508

salivary testosterone and plasma total, non-sex-hormone-binding globulin-bound, and free testosterone in normal and hirsute

women during dexamethasone/synthetic corticotropin treatment, 180 time-resolved immunofluorometric assay of 17g-hydroxysteroid dehydrogenase in plasma (SN), 1412

ultrasensitive, specific, two-antibody IRMA that defects free alpha subunits of glycoprotein hormones in blood of nonpregnant humans,

Mercury

interference of serum Hg with Abbott TDx (L), 1659

immunoradiometric assay of myosin heavy chain fragments in plasma for investigating myocardial infarction, 78

Metabolism

Abuscreen® Online® immunoassay for cocaine metabolite in urine on Cobas FARA® II analyzer (A), 1006 Abuscreen® Online® immunoassay for cocaine

Abuscreen® Online® immunoassay for cocaine metabolite in urine on Olympus AU 5121 and 5131 automated analyzers (A), 1000 Abuscreen® Online® immunoassay for detection of THC metabolites in urine on Cobas MIRA® (A), 1003 drug metabolism as indicator of liver function (A), 1099

eukaryotic cDNA expression vectors in drug metabolism studies (A), 1099

metaonism studies (A), 1099
evaln. of two-reagent emit assays for opiates,
barbiturates, and cocaine metabolite on
Hitachi 737 analyzer (A), 1012
large scale purification of cyclosporine
metabolites for assessment of biol. activity (A), 1067

putting metabolism to work: prodrugs (A),

urinary excretion of catecholamine metabolites by patients with nephroblastoma (Wilms' tumor) (A), 1055

Methadone

high-dose methadone and the need for drug measurements in plasma (CR), 1651 methadone concns. in plasma and their relationship to drug dosage, 205 methadone in saliva (L), 1297

Methamphetamine

Abuscreen® Online® immunoassay for methamphetamine in urine on Cobas MIRA® automated analyzer (A), 1007

detection of amphetamine and methamphetamine in urine samples using microtiterplate competitive enzyme immunoassay (A), 1012

detn. of amphetamine, methamphetamine, and other sympathomimetic amines in urine by gas chromatog./mass spectrometry (A), 1001 evaln. of methamphetamine screening kit (A),

performance of EMIT® DAU monoclonal amphetamine/methamphetamine and Coat-A-Count® methamphetamine assay as secondary tests for positive amphetamine screens (A), 1002

quantn. of amphetamine and methamphetamine in human urine by GC/IR/MS (A), 1004

trifluoroacetyl derivatives of phentermine and ephedrine yield mass spectra profiles similar to amphetamine and metamphetamine (A),

contamination of breath CH₄ samples in sterilized Vacutainer Tubes (L), 2019 storage of CH₄ breath-test samples in plastic syringes (L), 2161

Methanol

excess serum osmolality after ingestion of methanol: exception, not the rule (L), 1802 methanol-free chloride for testing on Ciba Corning 550 Express[®] analyzer (A), 973

Methemoglobin

psorption spectra of human fetal and adult HbO₂, Hb, HbCO, and methemoglobin, 1633

Methotrexate

competitive particle concn. fluorescence immunoassay for measuring 5,10-dideaza-5,6,7,8-tetrahydrofolic acid (lometrexol) in serum (SN), 254

Methylases

DNA methylases as tools (A), 606

Methylphenidate
development and application of RIA for
methylphenidate in hyperactive children (A), 1000

Methylthymol blue

increased on-board stability for the magnesium procedure used on Olympus AU5000® series of chem. analyzers (A), 962

Mexilitine

automated sample preparation and simultaneous analysis of four cardioactive drugs in serum (A), 1016

Microalbuminuria

See Albumin

Microglobulin

comparison of new EIA and Delfia assays for beta-2-microglobulin with B2-micro RIA (A),

correlation of clin. activity in rheumatoid arthritis patients with beta-2-microglobulin and other lab. indicators (A), 1042

establishment of ref. interval for

establishment of ref. Interval for β₂-microglobulin in CSF with use of two comm. assays (SN), 104 immunonephelometric assay of α₁-microglobulin in urine (A), 1064 meas. of serum β₂-microglobulin levels by Du Pont aca® discrete clinical analyzer (A), 1043

nephelometric detn. of beta, microglobulin (A), 1044

Microphysiometer cells on silicon: bioassays with a microphysiometer (A), 600 Microscopy

investigation of urinary crysals by Fourier transform infrared microscopy (SN), 83 multianalyte microspet immunoassav—microanal. "compact disk" of the future, 1955

Microsomal antibody thyroperoxidase and microsomal antibody assays in sera from patients with Graves disease (SN), 1777

Microsomes

Illerosomes
falsely high free T₄, normal total T₄, low T₃RU
with antibodies to T₄ and thyroid
microsomes in hypothyroid child: diagnostic
dilemma (A), 933
improved prepn. of hepatic microsomes for in
vitro diagnosis of inherited disorders of

glucose-6-phosphatase system (SN), 739

Milk. human

presence of endogenous digitalis-like factors in human milk (A), 941

Mineral metabolism

See Trace elements, Electrolytes, specific element of interest

concn. of Mn-superoxide dismutase in serum in acute myocardial infarction (SN), 458

Molecular biology recent advances in the mol. pathol. of cystic fibrosis (A), 903 serological diagnosis with recombinant peptides/proteins (E), 1667

Monitoring pregnancy
See also Amniotic fluid, Fetal status, etc.

Monitoring therapy

See also drug of interest abbrev. kinetic profiles in area-under-the-curve monitoring of cyclosporine therapy,

1905
adaptation of six new EMIT® TDMS to Ciba
Corning 570 Alliance (A), 1015
ambulatory blood pressure monitoring in clin.
practice (S), 1880
comparison of therapeutic drug monitoring by
TDxFLx and TDX systems (A), 1000
computerized approach to monitoring
aminoglycosides (SN), 1415
development and application of RIA for
methylphenidate in hyperactive children (A),
1000

drug-produced free radicals: anarchy or opportunity? (A), 1099 dry-reagent technol. for rapid, convenient measurements of blood coagulation and fibrinolysis, 520 effect of several factors on electrophoretic

mobility of theophylline by capillary electrophoresis (A), 977 heat treatment of sera for deactivation of HIV

does not change concns. of six commonly monitored therapeutic drugs (A), 1009

high-dose methadone and the need for drug measurements in plasma (CR), 1651 HIV therapies and vaccines: recent developments, future directions (A), 895 hyaluronic acid in end-stage renal failure treated by haemodialysis (A), 944

lab. diagnosis and monitoring of nutritional status (A), 905

monitoring 5-fluorocytosine serum concentrations in immunocompromized patients with severe fungal infections (A), 1004

noninvasive monitoring of thrombolysis after myocardial infarction (A), 1100 rapid monitoring of benzodiazepines in clin. samples by on-line column switching HPLC, 804

short- and long-term monitoring of blood glucose in diabetes mellitus (A), 900 therapeutic drug monitoring of clomipramine in obsessive-compulsive disorder (A), 994 therapeutic drug monitoring revisited (E), 141 therapeutic monitoring of cyclosporine by pharmacokinetic studies (E), 1891

thromboxane B₁ in diagnosis of renal transplant rejection (L), 2157 unique requirements for therapeutic drug monitoring in the elderly (A), 906 use of response surface models to optimize EMIT'® method precision on Du Pont aca® discrete clinical analyzer (A), 1011

Monoacetylmorphine

development of qualitative assay by GC/MS for 6-monoacetylmorphine in urine (A), 997

Monoamine oxidase

evaln. of HPLC assay for monitoring monoamine oxidase inhibition in human platelets and plasma (A), 999

Monoclonal antibodies
antibody suitability for two-stage free thyroxin anatoody suitability for two-stage free thyroxin assay (A), 1044 BeriLux® AFP, rapid and sensitive coated tube luminescence immunoassay for detn. of human AFP (A), 1037

cyclosporine monoclonal immunoassays: FPIA vs RIA (L), 2016 detection of genetic variants of α_1 -antitrypsin with site-specific monoclonal antibodies,

detn. of serum integrins by enzyme immunoassay using monoclonal antibodies (A), 1063

(A), 1063 detn. of serum level of basement membrane-associated collagen by sandwich ELISA with specific monoclonal antibodies and relation to diseases (A), 1026

development and appln. of monoclonal antibodies to human cardiac myoglobin in a

antibodies or human cardiac myognom in a rapid fluorescence immunoassay, 1356 development of ELISA for estimation of human apolipoprotein A-I in plasma without need for denaturation (A), 923

for denaturation (A), 923 development of immune complex ELISA kit utilizing murine F(ab')2-1gG1 monoclonal rheumatoid factor, highly specific for human IgG-complexes (A), 1042 development of monoclonal antibody-based ELISA for quantn. of Lp(a) in plasma (A), 918 DNA enzyme immunoassay for detecting products of polymerase chain reaction, 492

products of polymerase chain reaction, 422 eliminating undesired cross-reactants by using mixtures of antibodies: exptl. and theoretical evalus. of hapten RIAs, 394

ELISA for detection of apolipoprotein B in human serum and plasma (A), 923 numan serum and plasma (A), 923
evaln. of new cyclosporine monoclonal
antibody fluorescent polarization
immunoassay in cardiac and renal
transplants (A), 990
evaln. of TDx cyclosporine whole blood assay
with Cyclo-Trac SP-whole blood RIA (A),
1043

1043
extn. of human sperm membrane surface components involved in fertilization (A), 930 human anti-murine antibody interference in measurement of CEA assessed with a double-antibody enzyme immunoassay, 51 immunoradiometric assay kit for human

immunoradiometric assay kit for human ventricular myosin light chain I using monoclonal antibodies (A), 1030 immunoradiometric assay of myosin heavy chain fragments in plasma for investigating myocardial infarction, 78 in vivo MoAb administration effects on renal function (A), 931 individual differences in lutropin immunoreactivity revealed by monoclonal antibodies, 333

antibodies, 333 major disagreements between immunoassays

antitodies, 353
major disagreements between immunoassays of CEA caused by nonspecific cross-reacting antigen 2 (SN), 1736
meas, of soluble GMP-140 and glycocalicin in plasma by enzyme immunoassay with monoclonal antibodies (A), 949
monoclonal antibodies to lutropin: are our immunoassay so specific? (E), 311
monoclonal antibody based enzyme immunoassays for the detn. of retinol binding protein (A), 1062
monoclonal antibody immunoassay for identn. of hemoglobin variants (A), 950
monoclonal antibody-based discrepancies between two-site immunometric tests for lutropin (SN), 1745
new enzyme-linked immunosorbent assay for glycocalicin in plasma, 169
performance of Microgenics Cedia® T, MAb and T uptake assays on the Coulter Electronics' Optichem (A), 944

Electronics' Optichem (A), 944
production, selection, and labeling of
monoclonal antibodies anti-retinol binding protein (A), 930

prostate-specific antigen in serum occurs

predominantly in complex with α_1 -antichymotrypsin, 1618 standardization, specificity, and diagnostic sensitivity of four immunoassays for CEA (SN), 231

urinary fibronectin fragments (a potential tumor marker) measured by immunoenzymometric assay with domain-specific monoclonal antibodies (SN), 466 vaginal immunodetection of an isoform of

fibronectin indicating rupture of amniotic membranes (A), 1041

Monoclonal gammopathies computer program to assist in detection and classification of monoclonal gammopathies (A), 954

(A), 904
Fe measurement in patients with monoclonal immunoglobulin: a further caution (L), 589 frequencies of Ig classes involved in monoclonal gammopathies in Guadeloupe

(TB), 2138 influence of monoclonal Igs in direct detns. of

Fe in serum (SN), 690
monoclonal and oligoclonal gammopathies in heart-transplant recipients, 1334

heart-transplant recipients, 1334 relationship between presence of monoclonal immunoglobulin IgA, IgG, IgM, κ and λ chains in serum immunofixation electrophoresis and quant. meas. of these chains on Beckman ARRAY (A), 930 use of immunoglobulin heavy-chain and light-chain meas. in multicenter trial to investigate monoclonal components: I.

detection, 1917 use of immunoglobulin heavy-chain and

light-chain meas. in multicenter trial to investigate monoclonal components: II. classification by computer-based algorithms,

Monoethylglycinexylidide monoethylglycinexylidide liver f ction test in rats: lidocaine dose (A), 1065

Mononuclear cells quantn. of HIV viral burden by PCR in clin. samples and correlation with virus isolation in culture (A), 617

Mononucleosis total LD and its isoenzymes in serum of patients with infectious mononucleosis (SN), 116

Montalbetti, Norberto (obit), 1662

Morphine

accuracy, precision, and interferences of 3 modified EMITTM procedures for detg. serum phenobarbital, urine morphine, and urine cocaine metabolite with a Cobas-FaraTM (TB), 2139

(TB), 2139
development of qualitative assay by GC/MS
for 6-monoacetylmorphine in urine (A), 997
failure of β-glucuronidases to hydrolyze
exogenous morphine glucuronide (TB), 759
morphine and codeine concentrations in
postmortem blood (A), 1010

Mucin glycoprotein isoforms of mucin glycoprotein CA M26 in sera of patients with breast cancer: comparison with CA 15-3, CA 549, CA M29, and CK BB (A), 1051

Mucinous cystic neoplasms
cyst fluid CA 125 and relative viscosity in
diagnosis of mucinous cystic neoplasms of pancreas (A), 1052

Mucopolysaccharidoses spot test not a reliable screening procedure for mucopolysaccharidoses (SN), 572

Multicomponent analysis absorption spectra of human fetal and adult HbO2, Hb, HbCO, and methemoglobin, 1633

multianalyte microspot
immunoassay—microanal. "compact disk"
of the future, 1955

Multilayer film analysis
anal. performance of bedside clin. chem.
analyzer for NASA's international space
station freedom (A), 977
anal performance of improved Kodak

anal. performance of improved Kodak
Ektachem clin. chem. slide for analysis of iron (A), 984 development of new thin-film Na ion selective

electrode with improved specificity (A), 946 development of thin-film assay for serum cholinesterase using butyrylthiocholine as substrate (A), 966 direct anal. of capillary blood glucose with Kodak Ektachem analyzers (L), 307

discrepancies between methods for amylase in

discrepancies between methods for amylase cases of macroamylasemia (L), 2159 dry chemistry multilayer immunoassay element for CRP (A), 1036 evaln. of enzymatic CO₂ slide on the Kodak Ektachem 700XR analyzer (A), 970 evaln. of enzymatic CO₂ slides for Kodak Ektachem (A) 971 evaln.

Ektachem (A), 971 immunoassay for low- and high-M, antigens with a dry multilayer film (S), 1525 lipase acty. in serum measured with Ektachem is often increased in nonpancreatic disorders (SN), 447 lipase isoforms and amylase isoenzymes:

assays and appln. in diagnosing acute pancreatitis, 361

meas. of total thyroxine in serum or plasma by thin-film enzyme immunossay (A), 1034 multilayer-film bromcresol green method for albumin meas. significantly inaccurate when albumin/globulin ratio is < 0.8 (L), 766

performance evaln. of automated, random access OPUS[®] immunoassay system (A), 1037

1037
performance of thin-film assay for serum
prostatic acid phosphatase on a Kodak
Ektachem analyzer (A), 975
thin-film enzyme immunoassay for meas. of
phenobarbital in human serum (A), 1034
thin-film enzyme immunoassay for meas. of

phenytoin in human serum (A), 1035 thin-film immunochemical method for meas.

of digoxin in human serum (A), 990

Multiple myeloma influence of monoclonal Igs in direct detns. of Fe in serum (SN), 690 RIA of interleukin-F in plasma, 1691

Multiple sclerosis

quantn. of virus-specific antibodies in CSF and serum: sensitive and specific detection of antibody synthesis in brain, 1153

Multivariate analysis
calibration of assay techniques for thyrotropin:
examn. by multivariate analysis (A), 1044

wasmin. by muttivariate analysis (A), 1044
 Muscular dystrophy carbonic anhydrase III in serum in muscular dystrophy and other neurological disorders: relationship with creatine kinase, 36 development of a quant. polymerase chain reaction assay and appln. in Duchenne muscular dystrophy carrier testing (A), 1058

genetic anal. of Duchenne muscular dystrophy gene (A), 903

Myeloma

restricted electrophoretic heterogeneity of Ig light chain in urine: a cause for confusion with Bence Jones protein, 1570

Myocardial infarction
See also Heart disease
acute myocardial infarction: overview of

pathol. and treatment (A), 1100 analytical performance of Troponin-T ELISA on

analytical performance of Troponin-T ELISA o ES 600 analyzer (A), 1027 cardiac troponin T in diagnosis of acute myocardial infarction, 845 concn. of Mn-superoxide dismutase in serum in acute myocardial infarction (SN), 458 detn. of myoglobin by latex photometric immunoassay (A), 1027 development and suppl. of monoclonal

immunoassay (A), 1027 development and appln. of monoclonal antibodies to human cardiac myoglobin in a rapid fluorescence immunoassay, 1356 diagnostic value of CK-MB percentage of total CK in acute myocardial infarction (A), 912 early detection of acute myocardial infarction

evaln. of Amerlite CK-MB immunoassay (A),

immunoradiometric assay of myosin heavy chain fragments in plasma for investigating myocardial infarction, 78 myoglobin and CK-MB tests for the diagnosis

of acute myocardial infarction in emergency room patients (A), 978

room patients (A), 978
noninvasive monitoring of thrombolysis after
myocardial infarction (A), 1100
prognostic value of rate of decline of CK and
MB-isoenzyme acty, after acute myocardial
infarction (L), 2155

quantz, tissue injury and prognosis in AMI
(A), 1101
S-troponin T in suspected ischemic myocardial injury compared with mass and catalytic conens. of S-CK-MB (SN), 1405

serum CK 2 (CK-MB) in myocardial infarction: measure activity, percentage of total CK, or both? (L), 305

serum levels of myosin heavy chains and other tissue markers compared in patients with myocardial infarction and angina pectoris

simult. automated meas. of serum creatine kinase and pyruvate kinase with double kinetic assay (A), 911

specificity of an antibody for precipitating the MB, isoform of creatine kinase-MB (A), 1023 use of creatine kinase-MB and MB isoforms for non-invasively assessing reperfusion after thrombolytic therapy in acute myocardial infarction (A), 913

Myocardial ischemia

S-troponin T in suspected ischemic myocardial injury compared with mass and catalytic concns. of S-CK-MB (SN), 1405

Myocardial reperfusion detection of myocardial reperfusion by rapid serial CK-MB or total CK assays (A), 909

Myoglobin

cardiac troponin T in diagnosis of acute myocardial infarction, 845 detn. of myoglobin by latex photometric immunoassay (A), 1027

development and appln. of monoclonal antibodies to human cardiac myoglobin in a rapid fluorescence immunoassay, 1356

dual-label time-resolved fluoroimmunoassay for simultaneous detection of myoglobin and

carbonic anhydrase III in serum, 2087
evaln. of rapid turbidimetric myoglobin
immunoassay (A), 1062
myoglobin and CK-MB tests for the diagnosis
of acute myocardial infarction in emergency

room patients (A), 978

immunoradiometric assay kit for human ventricular myosin light chain I using monoclonal antibodies (A), 1030 immunoradiometric assay of myosin heavy

chain fragments in plasma for investigating

chain fragments in pussing to intressional myocardial infarction, 78 serum levels of myosin heavy chains and other tissue markers compared in patients with myocardial infarction and angina pectoris (A), 1062

Na'K'ATPase

temp.-dependent immunoreactive assay to screen for digoxin-like immunoreactive factor(s), 1900

Nafeillin

displacement of phenytoin from serum protein carriers by antibiotics: studies with ceftriaxone, nafcillin, and sulfamethoxazole

Naproxen

investigation of possible interference by ibuprofen and naproxen patient samples with EMIT's d.a.u. assays for amphetamine, barbiturate, benzodiazepines, and cannabinoid (A), 1009

NASA

anal. performance of bedside clin. chem. analyzer for NASA's international space station freedom (A), 977

Natal chemistry
See Pediatric chemistry, Newborns, Pregnancy

National Council of Clinical Laboratory Standards

National lecture

understanding life as chemistry (S), 1895

National Reference System
detn. of serum cholesterol by IDMS with a
benchtop capillary GC/MS: comparison with
National Reference System Definitive and
Ref. Methods, 1161

Natriuretic peptide

concns. of brain natriuretic peptide in treated congestive heart failure (L), 765

NCCLS

abstract deadline for NCCLS annual meeting,

development of spreadsheet template for comparison of methods according to NCCLS EP9 guidelines (A), 953 evalu. of Technicon's AXON in clin. ref. lab.

(A), 980

evaln. of urine Na and K on the BM/Hitachi 747 (A), 968

implementation of NCCLS and alternative method-evaln. protocols (S), 1528

linearity verification software with errorchecking data entry, concurrent onscreen graphical presentation, and NCCLS statistical criteria for DOS-based computers (A) 953

NCCLS reagent water document and

urinalysis guidelines, 2166
revised blood collection documents from NCCLS, 481
two new NCCLS guidelines on lab. safety to be

released, 1663

Necrosis

immunoradiometric assay of myosin heavy chain fragments in plasma for investigating myocardial infarction, 78

Neonates

See also Newborns analysis of total bilirubin on neonatal samples by different reagent systems (A), 989 appln. of comprehensive protocol for detection and diagnosis of congenital hypothyroidism

in Brazil (A), 935 clin. eval. of ICON® Strep B, new rapid diagnostic test for detection of Group B Strep colonization (A), 1041

development of screening test to measure benzoylecgonine in neonatal blood spots (A), 1017

development of simple, sensitive, specific, and precise micro HPLC method for meas. of precise micro HPLC method for meas. of vitamin A and E in neonatal serum (A), 984 evaln. of four different incubation protocols of Pharmacia 'DELFIA' TSH kit for neonatal hypothyroid screening (A), 987 FT, measured in dried blood spots from normal, low-birth-weight, and hypothyroid neonates (SN), 2114

Kodak Ektachem total bilirubin and neonatal

bilirubin meas. in newborns—is distinction clin. relevant? (A), 987 neonatal hypothyroidism screening with immunochemiluminometric assay of

thyrotropin (TB), 1796 neonatal screening for amino acid disorders in southern Brazil: pilot study results (A), 989

eopterin individual probability for onset of full-blown disease in patients infected with human immunodeficiency virus type 1, 351 plasma neopterin as adjunct to C-reactive protein in assessing infection, 2038

urinary neopterin in patients with systemic lupus erythematosus, 47

Nephelometry See also Rate nephelometry

development of rate nephelometric assay for gentamicin on Beckman Array* 360 (A), 997 evelopment of rate nephelometric assay for theophylline on Beckman Array® 360 (A),

evaln. of nephelometric assay for IgE (A), 1039 evaln. of nephelometric method for detn. of Lp(a) (A), 922

Fe measurement in patients with monoclonal immunoglobulin: a further caution (L), 589

microparticle-enhanced nephelometry immunoassay (Nephelia®) for immunoglobulins G, A, and M, 20 use of immunoglobulin heavy-chain and light-chain meas. in multicenter trial to

investigate monoclonal components: I. detection, 1917 use of immunoglobulin heavy-chain and

light-chain meas. in multicenter trial to investigate monoclonal components: II. classification by computer-based algorithms,

Nephroblastoma

urinary excretion of catecholamine metabolites by patients with nephroblastoma (Wilms tumor) (A), 1055

Nephropathy

albuminuria and diabetic nephropathy: an evolving story (E), 2027 association between urinary N-acetyl-β-

glucosaminidase and its isoenzyme patterns and microangiopathy in type 1 diabetes mellitus (A), 1696

blood magnesium parameters in patients with chronic magnesium deficiency (A), 1069

componer magnesium geneincy (A), 1009 borderline increases in albumin excretion rate and the relation to glycemic control in subjects with type I diabetes, 2048 diabetic nephropathy: a disease causing and complicated by hypertension (S), 1838

effect of long-term exercise training on effect of long-term exercise training on microvascular risk factors associated with diabetic nephropathy in obese (diabetic) Zucker rat (A), 1066 effects of germanium health supplements in rat (A), 985 increased thrombomodulin values in plasma of

diabetic men with microangiopaphy (SN),

urinary excretion of glycated protein detd. with a specific RIA, 504

Nephrotoxicity clin. pathol. evaln. of nephrotoxicity of cardiovascular agents (A), 1065 evaln. of statistical technique for predicting cyclosporine nephrotoxicity in heart transplant recipients (A), 1008

Neuraminic acid See also Sialic acid

Neurological disease carbonic anhydrase III in serum in muscular dystrophy and other neurological disorders: relationship with creatine kinase, 36

Neuromuscular disease serum carnosinase activity in disease states

(A), 916 Neuron specific enolase novel NSE assay in TR-IFMA format (A), 1054

Neuropathy

aldose reductase inhibitors for treatment of diabetes mellitus (A), 900

Neutrophil elastase significance of the M_2 allele of α , protease inhibitor in asthma (A), 1065

Newborns

See also Neonates, Pediatric chemistry bilirubin-fractions in sera of newborns undergoing phototherapy measured by HPLC and Kodak Ektachem analyzer (A), 987

development of screening test to measure benzoylecgonine in neonatal blood spots (A),

digoxin-like immunoreactivity in serum from neonates and infants reduced by centrif. ultrafiltration and fluorescence polarization immunoassay (SN), 94 discrepant bilirubin fractionation in newborn with Rh incompatibility and hyperbilirubinemia (A), 987 enzyme immunoassay ergening of

enzyme immunoassay screening of α_1 -antitrypsin in dried blood spots from 39 289 newborns, 821

genetic screening of newborns for sickle cell disease: correlation of DNA anal. with Hb

disease: correlation of DNA anal. with Hb electrophoresis (SN), 454 immunochemiluminometric assays based on acridinium labels with a microtiter late luminometer (TB), 472 isolation and characterization of Zn coproporphyrin Ir major fluorescent component in meconium, 1173

Kodak Ektachem total bilirubin and neonatal bilirubin meas. in newborns—is distinction clin. relevant? (A), 987 neonatal hypothyroid screening with

neonatal nypotnyroid screening with thyrotropin kit and an overweekend incubation protocol (L), 132 neonatal screening for amino acid disorders in southern Brazil: pilot study results (A), 989 partial purifn. of endogenous digitalis-like compound(s) in cord blood (SN), 277 quanta. of lipoprotein(a) in dried blood spots

and screening for above-normal lipoprotein(a) concns. in newborns (SN), 706 rapid, semi-quant. assay of C-reactive protein evald. (SN), 1981

sequential concns. of Cu and ceruloplasmin in serum from preterm infants with rickets and fractures (SN), 556

Nickel

detn. of cobalt in urine by gas chromatog. mass spectrometry using nickel as internal standard (A), 983

total As in urine: Pd-persulfate vs Ni as a matrix modifier for graphite furnace AAS, 1575

Nicotine HPLC method compared with modified RIA of cotinine in plasma (SN), 1989
liquid-chromatog. detn. of nicotine and
cotinine in urine from passive smokers:
comparison with gas chromatog. with
N-specific detector (SN), 1276 meas, of nicotine and cotinine levels in semen

by gas chromatog. (A), 995 meas. of urinary tobacco markers in a smoking-cessation program (L), 1655

serum nicotine monitoring as adjunct to nicotine replacement therapy (A), 1008

Nifedipine
detn. of nifedipine (dihydropyridines) in
human serum or urine using STC
microplate assay (A), 1048

urinary NO₂/NO₃: marker for renal allograft rejection? (L), 1303

urinary NO₂/NO₃: marker for renal allograft rejection? (L), 1303

Nitrogen evaln. of eight urine assays on Ciba Corning 550 Express (A), 964

Nitrophenyl-α-D-maltoheptaoside development of automated procedure for detn. of α-amylase using silyl-blocked p-nitrophenyl-α-D-maltoheptaoside as

subtrate (A), 910
performance characteristics of new silyl-blocked substrate for amylase detn. (A), 912 Nomogram

measurements of serum ferritin used to predict concns. of Fe in bone marrow in anemia of chronic disease (SN), 560 Nonesterified fatty acids

Nonspecific cross-reacting antigen 2 major disagreements between immunoassays of CEA caused by nonspecific cross-reacting antigen 2 (SN), 1736

Norepinephrine age- and sex-related differences in urinary excretion of norepinephrine, epinephrine, and dopamine in adults (SN), 875

Normal values
See Reference interval, Reference values
See Reference values, Reference interval Nortriptyline

comparison of serum from red-top and experimental serum separator gel tubes in assay of tricyclic antidepressants (A), 994 development of TDx assays for analysis of amitriptyline and nortripyline in patient

serum/plasma (A), 1006 immunochemical reactions of nortriptyline (A), 990

Nuclear magnetic resonance evaln. of clin. utility of plasma lipoprotein levels derived by proton NMR spectroscopy

(A), 918
quantn. of plasma lipoproteins by ¹H NMR
spectroscopy, 377
relationships between ¹H NMR properties of
plasma lipoproteins and cancer, 369
³¹P NMR and zero-point titration compared for
measuring free Mg concn. in erythrocytes,
2076

Nucleic acid hybridization comparison of nucleic acid hybridization and cytol. examn. for detection of human papillomavirus infection, and evaln. of two comm. available hybridization kits (SN), 260

Nutrition See also Parenteral nutrition **Nutritional** status

albumin, transferrin, prealbumin, and retinol-binding protein: markers for nutritional status in total parenteral nutrition patients (A), 985

appln. of Incstar prealbumin assay to Boehringer Mannheim/Hitachi 717 (A).

biol. variation of urinary Mg (TB), 1794 folate nutrition in pregnancy and lactation (A), 1105

immunoturbidimetric assay for serum prealbumin without interference by lipemia (A), 1062

(A), 1002 lab. diagnosis and monitoring of nutritional status (A), 905 mineral needs of the lactating mother and her infant (A), 1105

nutritional requirements and assessments in normal and compromised pregnancy (A),

relationship of selected clin. factors to plasma vitamin A levels in patients with upper gastrointestinal malignancies (A), 986 serum concentrations of fat soluble nutrients

in children with cystic fibrosis (A), 988 vit. A deficiency in children (A), 1105 5-L-oxoprolinuria and glycine sufficiency (L),

Oak Ridge Conference introduction (S), 1471

Obesity effect of wt. loss on serum lipoprotein(a) concns. in obese population, 1191 novel solid-phase assay of ketone bodies in urine, 1565

Obituary Montalbetti, Norberto, 1662

Monatoreur, Artherto, 1602
Oligoclonal bands
monoclonal and oligoclonal gammopathies in
heart-transplant recipients, 1334
Oligonucleotide probes
appln. of nonisotopic oligonucleotide probes (A), 611

automation, oligonucleotides, and future of solid-phase mol. diagnostics (A), 899 rapid diagnosis of familial defective

apolipoprotein B-100 by Amplification Refractory Mutation System (SN), 1983 rapid electrochemiluminescence assays of PCR

products, 1626
rational design of sequence-specific gene
inhibitors based on derivatized
oligonucleotides (A), 615

sensitive fluorescence method for detecting DNA ligation amplification products (S), 1522

Oncogenes
rapid electrochemiluminescence assays of PCR products, 1626

Opiates Abuscreen® Online® immunoassay for

detection of opiates in urine on Cobas MIRA* (A), 996 Abuscreen* Online® immunoassay for opiates in urine on Cobas FARA* II analyzer (A),

Abuscreen® Online® immunoassay for opiates in urine on Hitachi 717 automated analyzer (A), 1006

Abuscreen® Online® immunoassay for opiates in urine on the Olympus AU 5121 and 5131 automated analyzers (A), 1000

evaln. of rapid visual immunoassay for opiates in urine (A), 1010 evaln. of two-reagent emit assays for opiates, barbiturates, and cocaine metabolite on Hitachi 737 analyzer (A), 1012

characterization of Na-selective optode membranes based on neutral ionophores and assay of Na in plasma, 1350

Orchidectomy meas. of prostate-specific antigen and prostatic acid phosphatase concns. in serum before and 1–42 days after transurethral resection of the prostate and orchidectomy, 859

Organ transplants in utility of cyclosporine concns. detd. in recipients of small-bowel transplant by HPLC and fluorescence polarization immunoassay (TB), 291

concns. of N-acetyl-B-D-glucosaminidase and its intermediate isoenzymes in serum of patients with renal transplants (TB), 583 lipase isoforms and amylase isoenzymes:

assays and appln. in diagnosing acute pancreatitis, 361

monoclonal and oligoclonal gammopathies in heart-transplant recipients, 1334 pancreas transplantation for type I diabetes

(A), 302 sequential measurements of urinary albumin in recipients of renal allografts (TB), 472 Organic acids

4-hydroxycyclohexanecarboxylic acid: rare compound in urinary organic acids anal. (L), 1301

Orosomucoid See also Acid glycoprotein Osmolality

excess serum osmolality after ingestion of methanol: exception, not the rule (L), 1802 experience with osmolality, osmolal gap and specific enzymatic ethanol assay (A), 1003

Osteocalcin multiple forms of alk. phosphatase in plasma of hemodialysis patients, 815 osteocalcin conens. in plasma prepared with different anticoagulants (SN), 281

Osteomalacia bone protein and peptide assays in diagnosis and management of skeletal disease (R), 1143

bone protein and peptide assays in diagnosis and management of skeletal disease (R), 1143

concn. of urinary hydroxyproline/creatinine, and Ca/creatinine in normal and osteoporotic women in early postmenapousal period (A), 937 osteocalcin concns. in plasma prepared with different anticoagulants (SN), 281

Ovarian cancer urinary gonadotropin peptide as potential marker for ovarian cancer management (A), 1056

Ovary radioligand receptor assay for measuring follitropin in serum: appln. to premature ovarian failure, 508 RIA of inhibin based on synthetic human inhibin α -chain peptide, 40

Ovulation Amerlite[®] Estradiol-60: results obtained during stimulation of ovulation (A), 1047 relationship of serum estradiol and progesterone concns. to excretion profiles of their major urinary metabolites as meas. by

enzyme immunoassay and RIA, 838 five treatments evald. for elimination of ascorbate interference in enzymatic detn. of

urinary oxalate (SN), 864 immobilisation of barley oxalate oxidase onto alkylamine glass for detn. of urinary oxalate

modified enzyme-based colorimetric assay of urinary and plasma oxalate with improved sensitivity and no ascorbate interference: ref. values and sample-handling procedures (SN), 1229

Oxalate oxidase xalate oxidase five treatments evald. for elimination of ascorbate interference in enzymatic detn. of urinary oxalate (SN), 864 immobilisation of barley oxalate oxidase onto alkylamine glass for detn. of urinary oxalate

modified enzyme-based colorimetric assay of urinary and plasma oxalate with improved sensitivity and no ascorbate interference: ref. values and sample-handling procedures (SN), 1229 Oxaloacetate

analytical performance of the enzymatic bicarbonate method on CHEM1 (A), 948

Oxazepam enzymatic digestion, solid-phase extn., and GC/MS of derivatized intact oxazepam in urine, 1595

Oxygen free radicals
direct chem. evidence of oxyradical damage in hepatocyte suspensions exposed to xanthine oxidase and hypoxanthine (A), 1070

improved direct spectrophotometry for routine detn. of superoxide dismutase acty. (SN), 1993

1993
protection of oxygen free radical-induced lipid
peroxidation of liver lysosomes by
deferoxamine (A), 1066
reactive oxygen species induce lipidic
mediators release by cultured rat mesangial

cells (A), 1066

Oxyproline
5-L-oxoprolinuria and glycine sufficiency (L), 1660

Palladium total As in urine: Pd-persulfate vs Ni as a matrix modifier for graphite furnace AAS, 1575

Pancreas cyst fluid CA 125 and relative viscosity in diagnosis of mucinous cystic neoplasms of pancreas (A), 1052 pancreas transplantation for type I diabetes (A), 902

Pancreatic disease

electrophoretic procedure for detg. isoenzyme pattern of pancreatic lipase (A), 918 new kinetic colorimetric method for serum lipase assay evaluated (A), 915 Pancreatitis

diagnostic and prognostic utility of phospholipase A acty. in patients with acute pancreatitis: comparison with amylase and lipase, 356

lipase acty. in serum measured with Ektachem is often increased in nonpancreatic disorders (SN), 447 lipase isoenzymes in diagnosis of acute

pancreatitis (A), 909 lipase isoforms and amylase isoenzymes: assays and appln. in diagnosing acute pancreatitis, 361

time course of changes in pancreatic enzymes, isoenzymes, and isoforms in serum after endoscopic retrograde cholangiopancrestography, 1602

utility of serum phospholipa measurements (L), 1799

Papillomavirus

caveat for molec. biol. diagnosis of papillomavirus (L), 2015

comparison of nucleic acid hybridization and cytol, examn, for detection of human papillomavirus infection, and evaln. of two comm. available hybridization kits (SN), 260

Paracetamol See Acetaminophen

Parathyrin

arathyrin
affinity chromatog. in developing acridinium
ester-labeled antibodies for immunometric
assay of parathyrin (SN), 117
assessing acute parathyroid responsiveness in
hemodialysis patients by meas. intact PTH
in pre- and post-dialysis serum, 1216
comparison of intact and mid-molecule
parathyroid hormone meas. with
perbhrogenous cyclic adenosine.

nephrogenous cyclic adenosine monophosphate, a bioassay for parathyroid

function (A), 939
immunochemiluminometric and
immunoradiometric detns. of intact and immunoraciometric decisi. Oi intact and total immunoreactive parathyrin: performance in the differential diagnosis of hypercalcemia and hypoparathyroidism, 162 immunometric assay of parathyrin in diagnosis of hypercalcemia (E), 142

diagnosis of nypercateemia (E.), 142 immunoreactivity of plasma parathyrinrelated peptide: three region-specific RIAs and a two-site IRM/ compared (SN), 1781 IRMA detn. of intact parathyrin evald. in normal children and in patients with various disorders of Ca metab. (SN), 1999 multiple forms of alk. phosphatase in plasma of hemodishesi netions. 815

of hemodialysis patients, 815 which parathyrin assay is really best for clin. use? (L), 1464

Parathyrin-related peptide immunoreactivity of plasma parathyrin-related peptide: three region-specific RIAs and a two-site IRMA compared (SN), 1781

Parathyrin-related protein development and validation of immunoradiometric assay of parathyrin-related protein in unextracted plasma, 678

Parathyroid arathyroid
assessing acute parathyroid responsiveness in
hemodialysis patients by meas. intact PTH
in pre- and post-dialysis serum, 1216
comparison of intact and mid-molecule
parathyroid hormone meas, with

nephrogenous cyclic adenosine monophosphate, a bioassay for parathyroid function (A), 939

Particle-enhanced turbidimetric

immunoassay
evaln. of rapid turbidimetric myoglobin
immunoassay (A), 1062
meas. of serum \$\beta_2\$-microglobulin levels by Du
Pont \$aca^{\text{\text{\$\sigma}}}\$ discrete clinical analyzer (A), 1043

particle-enhanced turbidimetric immunoassay of sex-hormone-binding globulin in serum,

stabilization of turbidimetric immunoassay by covalent coupling of antibody to latex particles (SN), 1248

Particle-enhanced turbidimetric
inhibition immunoassay
development of PETINIA technology-based
tobramycin assay and application on the Du
Pont Dimension® clin. chem. system (A),

gentamicin assay for the Du Pont Dimension® clin. chem. system using particle enhanced turbidimetric inhibition immunoassay (A),

particle-enhanced turbidimetric inhibition immunoassay (Petinia) for phenytoin on Dimension® clin. chem. system (A), 1007

Paucialbuminuria See Albumin

competitive particle concn. fluorescence immunoassay for measuring 5,10-dideaza-5,6,7,8-tetrahydrofolic acid (lometrexol) in serum (SN), 254

See Blood gases

Pediatric chemistry See also Fetal status, Heritable disorders, Neonates, Newborns carboxyterminal propeptide of type I procollagen in CSF in childhood and in children with leukemia undergoing

intrathecal treatment, 1365
clin. eval. of ICON® Strep B, new rapid
diagnostic test for detection of Group B
Strep colonization (A), 1041

clin, sensitivity of zinc protoporphyrin as screening procedure for lower-level lead-poisoned urban children (A), 989

development and application of RIA for methylphenidate in hyperactive children (A), 1000

develop evelopment and application of RIA for methylphenidate in hyperactive children (A),

differences in vancomycin levels detn. by Syva EMIT and Abbott TDx immunoassays on adult and pediatric specimens (A), 991

digoxin-like immunoreactivity in serum from neonates and infants reduced by centrif. ultrafiltration and fluorescence polarization immunoassay (SN), 94 effect of elevated bile acid levels on digoxin

measurements using immunoassays (A).

erythrocyte protoporphyrin screening test for low Pb exposure in children: impact of lowering the B-Pb action threshold, 216 evaln. of Abbott TDx monoclonal cyclosporine

A assay in pediatric cardiac transplant

A assay in peciatric cardiac transplant patients (A), 1014
falsely high free T₄, normal total T₄, low T₃RU with antibodies to T₄ and thyroid microsomes in hypothyroid child: diagnostic dilemma (A), 933
Fe, transferrin, and ferritin in CSF of children (SN) 262

(SN), 263

(SN), 203 FT, measured in dried blood spots from normal, low-birth-weight, and hypothyroid neonates (SN), 2114 hypercholesterolemia in children (A), 1098

nproved sample prepn. for accurate detn. of low concns. of Pb in whole blood by graphite furnace analysis, 515 increases in CA 125 concns. in children (L),

interference of serum Hg with Abbott TDx (L),

Index of intact parathyrin evald. in normal children and in patients with various disorders of Ca metab. (SN), 1999 isocratic reversed-phase HPLC method to meas, pyrimethamine extd. from plasma of

infants treated for toxoplasmosis (SN), 1281 longitudinal study of magnesium, manganese,

longitudinal study of magnesium, manganese, and zinc in blood components from Type I diabetic children (A), 984 microtechnique for quante, phenol in plasma by GC-MS (SN), 1739 partial purifn. of endogenous digitalis-like compound(s) in cord blood (SN), 277 pediatric ref. ranges for vitamin B12 and folate (A) 989 (A), 989

predictors of microalbuminuria in adolescents with insulin-dependent diabetes mellitus

(A), 1070
presence of "flipped" LDH isoenzyme pattern in serum from children with acute leukemia

(L), 1805
rapid liquid-chromatog, method for simultaneous detn. of plasma prednisone, prednisolone, and cortisol in pediatric renal transplant recipients, 643

transplant recipients, 643
rapid, semi-quant. assay of C-reactive protein
evald. (SN), 1981
role of clin. lab. in evaln. of argininosuccinate
lyase deficiency (CC), 1384
sequential concns. of Cu and ceruloplasmin in
serum from preterm infants with rickets and
fractures (SN), 556
serum concentrations of fat soluble nutrents
in children with cystic fibrosis (A), 988

in children with cystic fibrosis (A), 988 serum 17α-hydroxyprogesterone in infants and children measured by direct RIA (A), 939

theophylline concns. predicted by Chiou method (L), 768 urinary excretion of catecholamine metabolites

by patients with nephroblastoma (Wilms tumor) (A), 1055 vit. A deficiency in children (A), 1105

Pentagastrin

unexpected high calcitonin concns. after pentagastrin stimulation (TB), 473

Pentobarbital

pentobarbital quantn. in the presence of phenobarbital by fluorescence polarization immunoassay (SN), 1774

Pepsin
effect of storage time on peptic acty. in gastric
biopsies (L), 1658

Peptide hormones See also specific hormone of interest

Pentides one protein and peptide assays in diagnosis and management of skeletal disease (R),

carboxyterminal propeptide of type I procollagen in CSF in childhood and in children with leukemia undergoing intrathecal treatment, 1365

development of screening ELISA and confirmatory assay for hepatitis C antibodies based on synthetic peptides (A), 1024

Performance evaluation
See Interlaboratory performance;
Variation, source of

Peritoneal fluid

quantn. of CA 125 in peritoneal fluid: inhibition of CA 125 response in a one-step IRMA and establishment of two-step assay format (TB), 760

Peroxidase

enhanced chemiluminescence in filter-based DNA detection (S), 1527 meas. of creatine kinase in plasma, serum, and whole blood with Reflotron system (A), 917

Perovidation biol. variability of superoxide dismutase, glutathione peroxidase, and catalase in blood, 1932

plasma lipoprotein peroxidation potential: test to eval. individual susceptibility to

peroxidation (A), 929
plasma lipoprotein peroxidation potential: test
to evaluate individual susceptibility to
peroxidation (SN), 1756

Peroxisomal diseases

plasma very-long fatty acid anal. using toxi-lab thin-layer chromatog. (A), 925

automated procedure for urine pH measurement (A), 998 evaln. of aqueous blood gas electrolyte control (A), 978

Pharmacokinetics

abbrev. kinetic profiles in area-under-thecurve monitoring of cyclosporine therapy,

analytical goals for determinations of theophyline concentration in serum, 154

theophyline concentration in serum, 154 competitive particle concn. fluorescence immunoassay for measuring 5,10-dideaza-5,6,7,8-tetrahydrofolic acid (lometrexol) in serum (SN), 254 computerized approach to monitoring aminoglycosides (SN), 1415 direct RIA of 6-sulfatoxymelatonin in plasma with use of an iodinated tracer, 536 indocyanine green-sulfobromophthalein pharmacokinetics for diagnosing primary biliary cirrhosis and assessing histological severity, 1688 severity, 1688

massive overdoses with sustained-rele Li₂CO₃ prepns.: pharmacokinetic model based on two case studies, 1205 theophylline concns. predicted by Chiou

method (L), 768 therapeutic monitoring of cyclosporine by pharmacokinetic studies (E), 1891 ultrasensitive meas. of

A-9-tetrahydrocannabinol with a High Energy Dynode detector and electron-capture negative chem.-ionization mass spectrometry, 2062

Phencyclidine Abuscreen® Online® immunoassay for detection of phencyclidine in urine on Cobas MIRA® (A), 996

development of urinary phencyclidine assay for Du Pont aca® discrete clin. analyzer (A),

EMIT® II phencyclidine two-reagent assay for detection of phencyclidine in urine on high volume chemistry analyzers (A), 1011

evaln. of phencyclidine on the Biosite Triage® drug-screening assay (A), 1011 stability of phencyclidine and amphetamines in urine (TB), 2141

Phenobarbital See also Barbiturates accuracy, precision, and interferences of 3 modified EMITTM procedures for detg. serum phenobarbital, urine morphine, and urine cocaine metabolite with a Cobas-FaraTM (TB), 2139 assay of phenobarbital by fluorescence polarization on Cobas FARA II* analyzer

automated assays of liposome immunolysis for phenytoin, phenobarbital, and carbamazepin

pnenytoin, pnenobaroitai, and carbamazepi (A), 1015 Cedia® immunoassays for theophylline, phenytoin, and phenobarbital for Hitachi® 704 and 717 analyzers (A), 1005 development of rate nephelometric assay for phenobarbital on Beckman Array® 360 (A), 1003

1003
efficient cloning and expression in Escherichia coli of single-chain antibody specific for phenobarbital (A), 1061
pentobarbital quanta. in the presence of phenobarbital by fluorescence polarization immunoassay (SN), 1774
Syva EMIT® 2000 phenobarbital assay (A),

thin-film enzyme immunoassay for meas. of phenobarbital in human serum (A), 1034

microtechnique for quantg. phenol in plasma by GC-MS (SN), 1739

Phenothiazines development of TDx assay for analysis of

development of 1DX assay for analysis of imipramine and desipramine in patient plasma or serum (A), 1006 development of TDx assays for analysis of amitripty line and nortripy line in patient serum/plasma (A), 1006

Phenotype markers
detection of human apolipoprotein E3, E2, and
E4 genotypes by an allele-specific
oligonucleotide-primed PCR assay:
development and validation (SN), 1263 Phentermine

trifluoroacetyl derivatives of phentermine and ephedrine yield mass spectra profiles similar to amphetamine and metamphetamine (A),

Phenyl-N-butyl nitrone
direct HPLC method for quantn. of hydroxy free radicals using phenyl-N-butyl nitrone spin trap in biological tissue and blood (A), 1067

Phenylalanine
some biochemical changes induced by
antisickling nutrients phenylalanine,
Cajanus cajan extract and Sicklervit® (A),

Phenylalanine hydroxylase use of PCR amplification from illegitimately transcribed phenylalanine hydroxylase mRNA to search for mutations causing phenylketonuria (A), 1059

Phenylketonuria
use of PCR amplification from illegitimately
transcribed phenylalamine hydroxylase
mRNA to search for mutations causing
phenylketonuria (A), 1059 Phenytoin

Phenytoin
automated assays of liposome immunolysis for
phenytoin, phenobarbital, and carbamazepin
(A), 1015
Cedia® immunoassays for theophylline,
phenytoin, and phenobarbital for Hitachi®
704 and 717 analyzers (A), 1005
development of two reagent phenytoin EMIT®
homogeneous immunoassay for IL
Monarch® systems (A), 1031
displacement of phenytoin from serum protein
carriers by antibiotics: studies with
ceftriaxone, nafcillin, and sulfamethoxazole
(SN), 98

electrochem. enzyme immunoassay for phenytoin by flow-injection anal. incorproating a redox coupling agent (SN),

particle-enhanced turbidimetric inhibition

particle-ennanced turbilimetric inhibition immunoassay (Petinian) for phenytoin on Dimension® clin. chem. system (A), 1007 Syva EMIT® 2000 phenytoin assay (A), 1015 thin-film enzyme immunoassay for meas. of phenytoin in human serum (A), 1035

Pheochromocytoma adreno-medullary hypertension: review of syndromes, pathophysiology, diagnosis, and treatment (S), 1849 advances in catecholamine and metabolite

measurements for diagnosis of pheochromocytoma (S), 1854

catecholamine sulfates as internal stds, in HPLC detns. of sulfoconjugated catecholamines in plasma and urine, 196

Phosphate See Phosphorus

1321

Phosphatidylcholine enzymatic fluorometric procedure for phospholipid quantn. with automated microtiter plate fluorometer (SN), 868

Phosphatidylglycerol effects of maternal diabetes, twins, and amniotic fluid contaminants on Abbott TDX²⁸ FLM assay (A), 922

Phospholipase diagnostic and prognostic utility of phospholipase A acty. in patients with acute pancreatitis: comparison with amylase and lipase, 356 utility of serum phospholipase A measurements (L), 1799

Phospholipids amniotic fluid phospholipid "analysis"? (E),

1321
enzymatic fluorometric procedure for phospholipid quantn. with automated microtiter plate fluorometer (SN), 868 intra- and interindividual biol. variation of serum concn. of phospholipids (TB), 583 meas. of L/S ratio in amniotic fluid by fast atom bombardment mass spectrometry,

Phosphorus hosphorus
enzymatic fluorometric procedure for
phospholipid quantn. with automated
microtiter plate fluorometer (SN), 868
evaln. of eight urine assays on Ciba Corning
550 Express (A), 964

evaln. of phosphorus blanking reagent (A), 969 evaln. of urine amylase, phosphorus, uric acid, and urea N on Beckman Synchron CX® 4/5 clin. system (A), 971

Phosphorylcholine apparent alk, phosphatase acty, in serum measured with phosphorylcholine as substrate (L), 479

higher substrate specificities to phosphorylcholine and phosphorylethanolamine for human intestinal ALP found in weak alk, pH (A),

Phosphorylethanolamine higher substrate specificities to phosphorylcholine and phosphorylethanolamine for human intestinal ALP found in weak alk. pH (A), 917

Photodecomposition photosensitive solutions useful for calibration of blood gas instruments (A), 949

Photodiode array emergency toxicol. testing (detection, confirmation, and quantn.) of basic drugs in serum by liquid chromatog, with photodiode array detection (SN), 2124

Photometry detection, confirmation, and quantn. of benzodiazepines in serum by liquid chromatog, with photodiode-array detection

(SN), 701 lattor XIII by new photometric method (A), 950 evaln. of HemoCue β-glucose photometer (A),

toxicol. screening of drugs by microbore HPLC with photodiode-array detection and UV spectral library searches, 1210

Phototherapy bilirubin-fractions in sera of newborns undergoing phototherapy measured by HPLC and Kodak Ektachem analyzer (A),

Phycoerythrin competitive particle concn. fluorescence immunoassay for measuring 5,10-dideaza-5,6,7,8-tetrahydrofolic acid (lometrexol) in serum (SN), 254

Pineal body direct RIA of 6-sulfatoxymelatonin in plasma with use of an iodinated tracer, 536

Pituitary
RIA of inhibin based on synthetic human
inhibin a-chain peptide, 40

Pituitary hormones radioligand receptor assay for measuring follitropin in serum: appln. to premature ovarian failure, 508 ultrasensitive, specific, two-antibody IRMA that defects free alpha subunits of glycoprotein hormones in blood of nonpregnant humans,

PKU

See Phenylketonuria

Placenta

evaln. of fiber optic antibody-based fluoroimmunosensor for DNA adducts in human placenta samples, 532

Plasminogen anti-plasminogen autoantibody in a patient with recurrent deep vein thrombosis (A), 930

development of lipoprotein(a) quantified by ELISA with plasminogen antibodies and apolipoprotein B antibodies (A), 926 dry-reagent technol. for rapid, convenient measurements of blood coagulation and

fibrinolysis, 520

Platelets

evaln. of HPLC assay for monitoring monoamine oxidase inhibition in human platelets and plasma (A), 999 rapid, specific enzyme immunoassay of serotonin, 1178

Platinum
isotope dilution mass spectrometry detn. of
platinum in biological fluids of cancer patient (A), 993

Pleural aspirates
LD, CK, and their isoenzymes in pleural effusions, 1909

Polarography detn. of trace selenium in serum by microcomputerized catalytic polarography (A),

erythrocytic polyamine detn. by reversed-phase liquid chromatog. (SN), 2117

Polychlorinated biphenyls polychlorinated biphenyls in serum or plasma by GC-ECD (A), 1009

Polychromatic analysis optimal method of polychromatic correction for spectral interferents on Beckman Synchron CX® 4/5 systems (A), 932

Polyclonal gammopathy polyclonal gammopathy with marked increase in serum viscosity (CR), 1788

Polycystic ovary disease interpretations of 5 monoclonal immunoassays of lutropin and follitropin: normalization with WHO standard, 415

Polymerase chain reaction anal. of apolipoprotein E genotypes by the Amplification Refractory Mutation System

(SN), 241
anal. of HIV detection by polymerase chain reaction: identn. and reduction of contamination (A), 1058

contamination (A), 1058 automated anal, of fluorescently labeled PCR fragments (A), 602 automation of electrophoretic techniques for DNA anal, (A), 898 caveat for molec, biol, diagnosis of recalleration (I), 2015

papillomavirus (L), 2015
cloning and overexpression of Taq polymerase
in *Escherichia* coli (A), 1060
detecting multiple CF mutations by PCRmediated site-directed mutagenesis (SN),
753

detection and identn. of meningitis-causing bacteria using polymerase chain reaction (A), 1059

(A), 1059

detection of EBV sequences by HPLC analysis of PCR amplification products (A), 1059 detection of human apolipoprotein E3, E2, and E4 genotypes by an allele-specific oligonucleotide-primed PCR assay: development and validation (SN), 1263 development of a multiplexed polymerase chain reaction assay for detection of human cytomegalovirus DNA (A), 1060 development of a quant. polymerase chain

cytomegatovirus DNA (A), 1000 development of a quant. polymerase chain reaction assay and appln. in Duchenne muscular dystrophy carrier testing (A), 1058 DNA enzyme immunoassay for detecting

products of polymerase chain reaction, 422 efficient cloning and expression in escherichia coli of single-chain antibody specific for phenobarbital (A), 1061

electrochemiluminescence detection for development of immunoassays and DNA probe assays for clin. diagnostics (S), 1534 evaluating proficiency of PCR systems for clin. diagnostic testing (A), 1059 genetic screening of newborns for sickle cell disease: correlation of DNA anal. with Hb

electrophoresis (SN), 454
genetic typing using PCR technology for anal.
of biol. specimens (A), 610

enomic fingerprinting by arbitrarily primed PCR: strain classification and genetic mapping (A), 605

DNA from urine after purification of DNA with glass beads, 1945

mutagenic PCR primers to detect carriers of familial defective apolipoprotein B-100 (SN), 1762

optimizing PCR technol. for clin. diagnosis (E),

PCR and Qß replicase amplification (S), 1482 PCR detection of integrated HIV-1 DNA in peripheral blood lymphocytes from infected individuals at various stages of disease (A), 1060

PCR using tRNA consensus primers produces fingerprints characteristic of genomes (A),

PCR-based method to create a specific mutation as a ref. for oligomelting (TB), 2137

perspective on the history, controversy, and recent developments in PCR (A), 599 post-amplification sterilization technique to control PCR carryover for diagnostics (A),

613
quantn. of HIV viral burden by PCR in clin.
samples and correlation with virus isolation
in culture (A), 617
rapid detection of 1717-1G → A mutation in
CFTR gene by PCR-mediated site-directed
mutagenesis (TB), 1447, 1967
rapid discreption of familial defection

rapid diagnosis of familial defective apolipoprotein B-100 by Amplification Refractory Mutation System (SN), 1983 rapid electrochemiluminescence assays of PCR

products, 1626 products, 1929.

rapid, non-radioactive microtiter plate assay to detect and differentiate PCR amplified HTLV-I and II DNA (A), 1057 simple, rapid detection of PCR heteroduplexes

in DNA mutations and polymorphisms (TB),

use of PCR amplification from illegitimately transcribed phenylalanine hydroxylase mRNA to search for mutations causing phenylketonuria (A), 1059

use of PCR to detect DNA contaminants in pharmaceutical recombinant products (S), 1523

utilization of PCR-based technol.: retroviral pathogenesis studies (A), 609

Polymorphonuclear neutrophils effect of elastase and cathepsin G neutral proteinases from human polymorphonuclear neutrophils on creatine kinase and lactate dehydrogenase isoenzymes (A), 915

Polymyositis glucocorticoid receptors in normal leukocytes: effects of age, gender, season, and plasma cortisol concns., 1715

Polyols effect of diabetes on free polyol pattern in cataractous lenses (SN), 686

carcinoembryonic antigen in serum of patients with colorectal polyps: correlation with histology and smoking status, 651 plasma protein-bound sialic acid in patients with colorectal polyps of known histology,

Population studies concns. of subfraction HDL_2 and lipoprotein A-I in a random population of healthy

subjects, 2111 enzyme immunoassay screening of α_1 -antitrypsin in dried blood spots from 39 289 newborns, 821

frequencies of Ig classes involved in monoclonal gammopathies in Guadeloupe (TB), 2138

es in CA 125 concns. in children (L), 2018 prevalence of familial dysalbuminemic

hyperthyroxinemia in serum samples received for thyroid testing (SN), 1430 relationship of lipoprotein(a) to variables of coagulation and fibrinolysis in healthy population, 1950

Porphobilinogen

meas. of porphobilinogen in urine by simple resin method with a surrogate std. (SN), 2133

Porphyrins

quant. fluorometric screening test for fecal porphyrins, 826

Positron emission tomography
plasma amino acids analysis by HPLC-UV
method with precolumn derivatization using phenyl isothiocyanate (A), 986

Potassium See also Electrolytes

anal. performance of Reflotron creatinine, creatine kinase, and K in physician office

colorimetric detn. of K in plasma/serum with Reflotron using dry-chemistry reagent (A),

effect of hyperglycemia on plasma Na and K concn. (TB), 293

evaln. of Boehringer Mannheim Reflotron creatinine, creatine kinase, and K in outpatient clinic (A), 964 evaln. of enhanced Na*/K* standard and

evain. of enhanced Na / K. standard and lithium concentrate for use on Olympus AU5000[®] flame photometer unit (A), 979 evaln. of Na/K analyzers marketed for physician's office labs. (A), 961 evaln. of urine Na and K on the BM/Hitachi 747 (A), 968

performance characteristics of Beckman Synchron CX®7 clinical system for detn. of Na, K, chloride, CO_n, urea nitrogen, glucose, Ca, and creatinine (A), 974 performance characteristics of Reflotron®

HDL cholesterol, K, creatinine, and creatine kinase (A), 973 plasma renin acty, and plasma prorenin assays

(S), 1811 turnaround times of lab. services to hospital emergency department eval. of 722 institutions (A), 960

Potentiometry See also Electrochemical detection, Ionselective electrodes

selective electrodes analytical performance of the enzymatic bicarbonate method on CHEM1 (A), 948 cells on silicon: bicassays with a microphysiometer (A), 600 measuring ionic activity in biological fluids without error caused by the junctions potential due to conventional ref. electrodes (A), 947

Po₂ See Blood gases

Prealbumin

See also Transthyretin albumin, transferrin, prealbumin, and retinol-binding protein: markers for nutritional status in total parenteral nutrition patients

appln. of Incstar prealbumin assay to Boehringer Mannheim/Hitachi 717 (A),

immunoturbidimetric assay for serum prealbumin without interference by lipemia (A), 1062

potential problem with standardization of prealbumin (transthyretin) results in immunoturbidimetry (L), 588

Prednisolone
rapid liquid-chromatog, method for
simultaneous detn. of plasma prednisone,
prednisolone, and cortisol in pediatric renal
transplant recipients, 643 Prednisone

reamsone rapid liquid-chromatog. method for simultaneous detn. of plasma prednisone, prednisolone, and cortisol in pediatric renal transplant recipients, 643

Pregnancy
addition of β-hCG to maternal serum
screening program to improve detection of
down syndrome (A), 1019

cost-based comparison of semiquantitative screens of fetal and maternal urine for drugs of abuse (A), 1014 digoxin-like immunoreactivity in saliva and

plasma of pregnant women (L), 135 effect of drug ingestion on maternal serum alphafetoprotein (A), 934

evaln. of automated systems for human chorionic gonadotropin (A), 1033 folate nutrition in pregnancy and lactation (A),

graphic reporting format for maternal serum alpha-fetoprotein and comprehensive "P.A.C.E. profile" (A), 953 interference in thyroid function tests in

postpartum thyroiditis (SN), 1397 longitudinal assessment of changes in reproductive hormones during normal

pregnancy, 667
measuring RF in nonrheumatoid subjects:
immunoturbidimetric assay, latex slide test,
and enzyme-linked immunosorbent assay

compared (SN), 1766 medians for intact human chorionic gonadotropin during second trimester of pregnancy using automated radial partition immunoassay (A), 940

more on pregnancy tests (L), 477 multi-centre retrospective clinical trial for prenatal detection of down syndrome (A), 943

nutritional requirements and assessments in normal and compromised pregnancy (A),

1104
serum concns. of lipoprotein(a) during normal pregnancy and postpartum (TB), 2009 simple enzyme immunoassay for simultaneous meas. of whole choriogonadotropin molecules and free β-subunits in sera of women with abnormal pregnancies or pregn tumors of the reproductive system, 673 time-resolved immunofluorometric assay of

17β-hydroxysteroid dehydrogenase in plasma (SN), 1412 urine and serum pregnancy tests compared

(L), 302

Prenatal diagnosis
See also Amniotic fluid, Fetal status,
Heritable disorders

Primaquine rimaquine and carboxyprimaquine detn. by HPLC with electrochemical detection (A),

992 Primates dietary fat and polyunsaturated/saturated fat

ratio influences serum lipids in old, female, non-human primates (A), 929

rapid detection and initial characterization of genetic variants of human serum albumin, 1221

Procollagen carboxyterminal propeptide of type I procollagen in CSF in childhood and in children with leukemia undergoing intrathecal treatment, 1365

Prodrugs

putting metabolism to work: prodrugs (A),

Proficiency testing
See also Interlaboratory performance assessment of split-sample proficiency testing for cholesterol by use of a computer simulation model, 497 blinded proficiency testing in clin. lab. (A), 958

cholesterol operational process specifications for assuring quality required by CLIA proficiency testing, 1938 Combi scheme: combined internal/external

quality-assessment scheme in The Netherlands, 1196

quanty-assessment seniem in The Netherlands, 1196 evaln. of interlaboratory proficiency testing of BM/Hitachi analysers (A), 972 HCFA's new PT rules: using computer models to predict steady-state percentage of labs. in categories "successful," "probation," and "suspended" (A), 954 math. model for comparing proficiency testing results across anal. methods (SN), 265 non-physiological interferences in external quality-control samples affecting accuracy assessment (A), 959 passing (old) CAP vs. (new) HCFA proficiency testing requirements: predicting the likelihood of "adverse action" (shutdown) (A), 955 proficiency testing of clin. chem. labs.: role of

proficiency testing of clin. chem. labs.: role of the ref. lab. (E), 483 target value assignment in proficiency testing

programs: is using ref. methods a valid approach? (A), 957 techniques used to detect drugs of abuse in urine: study based on external quality assessment (SN), 442

Progesterone development, validation, and certification by isotope dilution GC–MS of lyophilized human serum Ref. Materials for cortisol (CRM 192 and 193) and progesterone (CRM

347 and 348), 540 direct time-resolved fluoroimmunoassay of progesterone involving biotinylated protein-tracer conjugate and labeled streptavdin (A),

fully automated steroid detn. on the immuno analyser ES300: performance of serum progesterone and testosterone assays (A), 1020

longitudinal assessment of changes in reproductive hormones during normal pregnancy, 667

programicy, 607
relationship of serum estradiol and
progesterone concns. to excretion profiles of
their major urinary metabolites as meas. by
enzyme immunoassay and RIA, 838

Progestin

rogestin effect of different estrogen—progestin treatments in post-menopausal women: impact on lipids and lipoproteins (A), 920

automated chemiluminescence immunoassay

automated chemiluminescence immunoassay for human prolactin (A), 935 automated immunoassay for prolactin with the Abbott IMx® analyzer (TB), 291 conversion of IMx® FSH, LH, and prolactin batch assays to perform in multi-tasking mode on IMx Select[®] (A), 939 development of chemiluminescence immunoassay for human prolactin for use with Ciba Corning Magic Lite System (A), 1022

evaln. of prolactin assay on the IMx (A), 938 evaln. of Stratus* II prolactin assay and comparison with Stratus* and Hybritech* Tandem-E prolactin assays (A), 1046 evaln. of two automated prolactin assays (A),

longitudinal assessment of changes in reproductive hormones during normal

pregnancy, 667
prolactin analysis utilizing Stratus*
fluorometric enzyme immunoassay system (A) 936

Propafenone

automated sample preparation and simultaneous analysis of four cardioactive drugs in serum (A), 1016

Propoxyphene

detection of propoxyphene in human urine by use of TDx*/ADx* fluorescence polarization immunoassay (A), 1011

Propylthiouracil

new chemical method for analysis of propylthiouracil in urine (A), 1013 Prorenin

plasma renin acty. and plasma prorenin assays (S), 1811 Prostaglandins

eliminating undesired cross-reactants by using mixtures of antibodies: exptl. and theoretical evalns. of hapten RIAs, 394 Prostate cancer can enzyme anal. of prostatic fluid help

identify men with carcinoma of the prostate?
(A), 1057

(A), 1057
can protein analysis of prostatic fluid help identify men with carcinoma of prostate?
(A), 1050
evaln. of enzyme immunoassay system for prostatic carcinoma (A), 1053
prostate-specific antigen and prostatic acid phosphatase (A), 1056

Prostate fluid

can protein analysis of prostatic fluid help identify men with carcinoma of prostate? (A), 1050

Prostate-specific antigen automation of PSA Tandem-E enzyme immunometric assay on Stratus autoanalyzer (A), 965

autoanalyzer (A), 960 clinical trial of ultrasensitive prostate-specific antigen (A), 1024 comparison of screening data on prostate-specific antigen versus digital rectal examination (A), 1056 effects of digital rectal examin. on serum

effects of digital rectal examn. on serum prostate-specific antigen levels (A), 932 ethnic variation in prostatic-specific antigen production (A), 1050 "nigh-dose hook effect" in IRMA-Count PSA assay of prostate-specific antigen (L), 771 meas. of prostate-specific antigen and prostatic acid phosphatase concas. in serum before and 1-42 days after transurethral resection of the prostate and carchidectomy. of the prostate and orchidectomy, 859

prostate-specific antigen and prostatic acid phosphatase (A), 1056 prostate-specific antigen in serum occurs predominantly in complex with α_1 -antichymotrypsin, 1618 purification of monoclonal defined prostate

purmeation of monocional defined prostate-specific antigen by HPIC (part 2) (A), 1052 purification of monocional defined prostate-specific antigen by PIEF (part 1) (A), 1051 storage conditions for serum for estg. prostate-

specific antigen (SN), 113

survey of reference limits for prostate-specific antigen in apparently healthy males, age 40–86 years (A), 1054 variants of prostate-specific antigen sepd. by concanavalin A (L), 1133

Prostatic acid phosphatase See Acid phosphatase Prostatic disease

rostatic disease
meas. of prostate-specific antigen and prostatic
acid phosphatase concns. in serum before
and 1-42 days after transurethral resection
of the prostate and orchidectomy, 859
prostate-specific antigen in serum occurs

predominantly in complex with α_1 -antichymotrypsin, 1618 variants of prostate-specific antigen sepd. by concanavalin A (L), 1133

Protamine

versatile, non-clotting-based heparin assay requiring no instrumentation, 832

Protamine sulfate

effect of protamine sulfate on the aca heparin assay (TB), 1119

Protease

cathepsin D concn. in breast cancer cytosols: correlation with biochem., histol., and clin. findings (SN), 101

enzyme immunoassay screening of α,-antitrypsin in dried blood spots from 39 289 newborns, 821

Protease inhibitors significance of the M_2 allele of α_1 protease inhibitor in asthma (A), 1065

roteinase
effect of elastase and cathepsin G neutral
proteinases from human polymorphonuclear
neutrophils on creatine kinase and lactate dehydrogenase isoenzymes (A), 915

analysis of low and middle molecular weight proteins in CSFs by SDS-PAGE (A), 1064 can protein analysis of prostatic fluid help identify men with carcinoma of prostate?

(A), 1050 capillary electrophoresis—new clin. tool (R),

14
cardiac troponin T in diagnosis of acute
myocardial infarction, 845
comparison of four free T, 486
by equilibrium dialysis (A), 940
complexes of CK and immunoglobulins in
serum identified by nonimmune binding
method, 173

concn. and two-dimensional electrophoretic analysis of unprocessed human urinary proteins (A), 1063

detn. of urinary/CSF protein using Boehringer Mannheim/Hitachi analyzers (A), 1063 Mailliesin toonstructs for expression of mammalian y-glutamyltransferase cDNAs in Escherichia coli and in Saccharomyces cerevisiae, 662

effect of protamine sulfate on the aca heparin assay (TB), 1119

assay (1b), 119 effects of serum-isolated vs synthetic bilirubin-albumin complexes on dye-binding methods for estg. serum albumin (SN), 1269 evaln. of electrophoresis system for

quantification of protein fractions and detection of oligoclonal bands in CSF (A),

evaln. of improved formulation for Bio-Rad Total Protein reagent (A), 960 fluorescein interference with urinary creatinine and protein measurements (L),

1799 high-performance capillary electrophoresis of serum proteins (A), 970 immunoradiometric assay of myosin heavy

chain fragments in plasma for investigating myocardial infarction, 78

myocardiai intarction, 76 immunoradiometric assay of pS2 protein in breast cancer cytosols (SN), 1759 in vitro and in vivo effects of hypertonic saline/Dextran-70 on protein detns. in serum or plasma (L), 1801

inclusion of proteins into Ca oxalate crystals pptd. from urine: a highly selective phenomenon, 1589 isoelectric fosuing electrophoresis of

isoelectric fosuing electrophoresis of protein-ligand conjugates: effect of the degree of substitution (SN), 87 "ladder light chain" or "pseudo-oligoclonal" distinctive pattern in urinary immunofixation electrophoresis studies: explanatory hypothesis relating to free polyclonal light chains, 1559 ligand affinity chromatog, sepn. of serum IgG on recombinant Protein G-silica (SN), 882 meas. of Protein S in plasma, 1708 modified anal. for Cl q as protein-bound hydroxyproline in euglobulin fraction of serum (L), 2013 pathophysiol. of hyperapobetalipoproteinemia: role of basic proteins I, II, III (R), 317 rapid detection and initial characterization of

rapid detection and initial characterization of genetic variants of human serum albumin, 1221

rapid serum protein analysis by capillary electrophoresis (A), 1061 regulatory mapping of xenobiotic effects in vivo by 2.D electrophoresis (A), 1096 stabilization of turbidimetric immunoassay by

stabilization of turbidimetric immunoassay by covalent coupling of antibody to latex particles (SN), 1248 stable mixture of tumor marker proteins in human serum matrix (A), 1053 studies on covalent bonding of proteins to glass paper (A), 962 ultrasensitive detection of proteins and nucleic

acids with chemiluminescence: novel derivatized 1,2-dioxetane enzyme substrates (S), 1526

Proteinuria

albuminuria vs urinary total protein for detecting chronic renal disorders (W), 621 analbuminuric proteinuria: true but transient finding (L), 765 dear Dr. [Bence] Jones . . . (E), 1557 restricted electrophoretic heterogeneity of Ig

light chain in urine: a cause for confusion with Bence Jones protein, 1570 role of the lab. in evalu. of kidney function (R),

Proteoglycans in vivo analysis of murine splenic glycosaminoglycan biosynthesis and sulphate metabolism during acute inflammation (A), 1069

development of human recombinant tissue factor-based prothrombin time reagent (A),

951 fibrinogen assays: collaborative study of 6 methods (SN), 714 monitoring treatment of alcoholic liver disease: evaluation of various severity indices (R), 5 multicenter evaluation of a new enzyme

immunoassay for determination of prothrombin fragment (A), 950

Protoporphyrin
erythrocyte protoporphyrin screening test for
low PP exposure in children: impact of
lowering the B-Pb action threshold, 216

quant. fluorometric screening test for fecal porphyrins, 826 Pseudocholinesterase
assay of pseudocholinesterase on Dimensions®
clin. chem. system (A), 913
identn. of atypical cholinesterase variants

using succinyldithiocholine substrate (A),

Psychotropic drugs
See also Anticonvulsant drugs, Tricyclic
antidepressants, etc.
rapid monitoring of benzodiazepines in clin.
samples by on-line column switching HPLC, 804

Pulmonary disease

See Lung disease changes in serum cholesterol in patients with cystic fibrosis before and after I.V. antibiotics treatment (A), 923

antibiotics treatment (A.) 523 **Pulse oximetry** absorption spectra of human fetal and adult HbO₂, Hb, HbCO, and methemoglobin, 1633 **Pyridoxal 5'-phosphate** effect of gentamicin on plasma pyridoxal-5'-phosphate levels with and without vitamin B6 supplementation in rabbit model (A), 1067

isoelectric fosuing electrophoresis of protein-ligand conjugates: effect of the degree of substitution (SN), 87

Pyrimethamine isocratic reversed-phase HPLC method to meas. pyrimethamine extd. from plasma of infants treated for toxoplasmosis (SN), 1281

Pyruvate kinase

retrospective time-resolved testing: model
I—time-resolved glycohemoglobin (S), 1531
simult. automated meas. of serum creatine kinase and pyruvate kinase with double kinetic assay (A), 911

Qβ replicase PCR and Qβ replicase amplification (S), 1482 Quality control analyzing quality-control trends with moving

slope charts, 341
application of quality-control selection grids to
IL Phoenix® chem./electrolyte analyzer (A),

application of Westgard Quality-Control Selection Grids to the Kodak Ektachem 700 Analyzer (A), 954

Beckman Synchron CX® 4/5/7 reagent shelf-life dating extension (A), 979

Calibrating assays of direct bilirubin (L), 133 chemiluminescence immunoassay for CA15-3. CA125, CA19-9: evaln. using quality-control sera assayed in interlaboratory survey (A),

cholesterol operational process specifications for assuring quality required by CLIA proficiency testing, 1938 Combi scheme: combined internal/external

quality-assessment scheme in The Netherlands, 1196 definition of "reportable range": statistical confirmation of calibration curve extrapolation on Kodak Ektachem analyzers (A), 956

(A), 956
derived quantities in clin. chem.: further need
for improved performance (L), 2158
development of a liquid C-reactive protein
quality-control serum stabilized with
ethylene glycol (A), 969
drug screening with EMIT reagents: quant.
approach to quality control (SN), 733
estimating performance characteristics of
gual -control procedures when error persists

qual.-control procedures when error persists

until detection, 1720 evaln. of aqueous blood gas electrolyte control (A), 978

evaln. of enzymatic CO₂ slide on the Kodak Ektachem 700XR analyzer (A), 970 evaln. of human-based two-level CSF control

external quality-assessment scheme with a small number of participants: four years of experience with thyroid-related tests in

Israel (SN), 1432 hospital-wide quality-control program for bedside glucose monitoring (A), 955 implementation of NCCLS and alternative

method-evaln. protocols (S), 1528
implementation of quality assurance program
for bedside blood glucose monitoring (A),

lab. correlation of bedside capillary glucose using filter paper collection (A), 960 lab. process specifications for assuring quality in U.S. National Cholesterol Education Program, 656

mandated quality assurance: does it benefit patients? (A), 897 multi-factor designs IV. how multi-factor designs improve estimates of total error by accounting for protocol-specific biases, 26 non-physiological interferences in external quality-control samples affecting accuracy

assessment (A), 959
post-amplification sterilization technique to

control PCR carryover for diagnostics (A),

practical method for optimizing RIA detection

and precision limits, 226 prevalence of non-A, non-B hepatitis/hepatitis C virus antibody in lab. quality-assurance sera, 797

sera, 191
quality assurance of outpatient phlebotomy
procedures (A), 957
quality control of pH and blood gases:
comparison of tonometered blood to
different control materials (A), 958

real time quality-assurance program for monitoring control results on Synchron CX*4CE/7 (A), 958 results of a national collaborative study for analytical evaln. of cyclosporine immunoassay (A), 957

results of multicentre collaborative study for analytical evaln. of tumor markers immunoassay (A), 1052 study on quality control of glycohemoglobin

(Hb A₁) analyses using averages of patient data (A), 958

data (A), 950 turnaround times of lab. services to hospital emergency department eval. of 722 institutions (Å), 960

five-way comparison of quinidine (A), 1012 Quinolinic acid

accumulation of quinolinic acid in uremic serum and its removal by hemodialysis, 159

Race-related differences ethnic variation in prostatic-specific antigen production (A), 1050 statistical criteria for separate ref. intervals:

race and gender groups in creatine kinase, 1580

Radial immunodiffusion

Radial immunodiffusion

ELISA for detection of apolipoprotein B in
human serum and plasma (A), 923
fibrinogen assays: collaborative study of 6
methods (SN), 714
influence of LDL particle size on meas. of
apolipoprotein B (L), 1139

Radial partition immunoassay
autometad quanta of estradial by sadial

automated quantn. of estradiol by radial partition immunoassay (A), 936 medians for intact human chorionic gonadotropin during second trimester of pregnancy using automated radial partition immunoassay (A), 940

Radioassay biotin radioligand assay with PEG as sepn.

reagent (L), 1306

Radioimmunoassay appln. of comprehensive protocol for detection and diagnosis of congenital hypothyroidism in Brazil (A), 935

in Brazil (A), 935 appln. of scintillation proximity assay to homogeneous RIA of androstenedione, dehydroepiandrosterone, and 11g-hydroxyandrostenedione (TB), 293 automated chemiluminescent high sensitivity

TSH assay for Immulite® (A), 1028 automated FPIA for DHEAS using Abbott IMx analyzer (A), 937 carbonic anhydrase III in serum in muscular

dystrophy and other neurological disorders:

relationship with creatine kinase, 36
chemiluminescence and radioimmunology
compared for 10 allergens (TB), 474
comparison of Abbott fluorescence polarization
immunoassay and Roche RIA for analysis of benzoylecgonine in urine (A), 1008 comparison of four free T, methods with FT₄ by equilibrium dialysis (A), 940 comparison of HPLC, RIA, and EMIT assays for

routine monitoring of cyclosporine in whole blood (A), 991

blood (A), 991
comparison of intact and mid-molecule
parathyroid hormone meas. with
nephrogenous cyclic adenosine
monophosphate, a bioassay for parathyroid
function (A), 939
comparison of new EIA and Delfia assays for
beta-2-microglobulin with B2-micro RIA (A),
1026

comparison of one- and two-step ELISA tests for assay of fentanyl in human urine (A), 1014 comparison of pptn. methods with vertical autoprofile procedure for HDL cholesterol meas. (A), 923

meas. (A), V22 comparison of RIA and Abbott IMx results for T₃. T₆, and TSH (A), 1022 coupled HPLC/RIA for zidovudine metabolites in leucocytes (A), 1018 cyclosporine in whole blood: comparison of two non-isotopic immunoassays with ¹²³I RIA

(A), 1004

(A), 1004 cyclosporine monoclonal immunoassays: FPIA vs RIA (L), 2016 detn. of cyclosporine by competitive binding assay with cyclophilin, 403 development and application of RIA for methylphenidate in hyperactive children (A), 1000 development of Colling Pi

1000
development of Cedia® Digoxin assay and
application to Hitachi® 717 (A), 993
digoxin-like immunoreactivity and plasticizers
in hemofiltrate of dialysis patients (A), 931
direct RIA of 6-sulfatoxymelatonin in plasma
with use of an iodinated tracer, 536
effect of diagnostic radioisotope administration
on routine RIA results (TB), 1649

effect of drug ingestion on maternal serum alphafetoprotein (A), 934

eliminating undesired cross-reactants by using mixtures of antibodies: exptl. and theoretical evalns. of hapten RIAs, 394

EMIT monoclonal antibody assay evaluated for cyclosporine monitoring in whole blood (A), 989

endocrine functions in sickle cell disease patients (A), 940 evaln. of automated non-isotopic immunoassay

for measurement of serum vitamin B12 (A),

evaln. of BMD ES 300 immunoassay analyze and comparison with EIA, FPIA, and RIA methods (A), 970

evaln. of IMx as stat methodology for human chorionic gonadotropin (A), 1045 evaln. of nephelometric assay for IgE (A), 1039 evaln. of prolactin assay on the IMx (A), 938 evaln. of statistical technique for predicting cyclosporine nephrotoxicity in heart

transplant recipients (A), 1008
evaln. of TDx cyclosporine whole blood assay
with Cyclo-Trac SP-whole blood RIA (A), 1043

evaln. of total T₃ by IMx[®] microparticle enzyme immunoassay (A), 943 evaln. of two automated prolactin assays (A), 1023

1023
free T₃ concns. as measured by two one-step
RIAs in nonthyroidal illness (SN), 115
FT, measured in dried blood spots from
normal, low-birth-weight, and hypothyroid
neonates (SN), 2114
HPLC method compared with modified RIA of
cotinine in plasma (SN), 1989
human plasma corticosterone detn.: simple
and sensitive reversed-phase HPLC-UV

and sensitive reversed-phase HPLC-UV

and sensitive reversed-phase HPLC-UV method (A), 939 immunochemiluminometric and immunoradiometric detns. of intact and total immunoreactive parathyrin: performance in the differential diagnosis of hypercalcemia and hypoparathyroidism, 162 interpretations of 5 monoclonal immunoassays of lutropin and follitropin: normalization

with WHO standard, 415

with WHO standard, 419 isotopic and nonisotopic assays of somatotropin compared: re-evaln. of cutoff value in provocative tests (SN), 273 lack of correlation of phosphorylated zidovudine in patient leucocytes with ZDV dose and serum concentration (A), 992

measuring urinary albumin: precision, substances that may interfere, and conditions for sample storage (SN), 2120

conditions for sample storage (SN), 2120 microparticle enzyme immunoassay and fluorescence polarization for thyroid evaln. (A), 943 nephelometric detn. of beta₂ microglobulin (A), 1044

partial purif⁻1. of endogenous digitalis-like compound(s) in cord blood (SN), 277 performance evaln. of EMIT cyclosporine assay

(A), 990 performance of EMIT® DAU monoclonal

amphetamine/methamphetamine and Coat-A-Count* methamphetamine assay as secondary tests for positive amphetamine screens (A), 1002 practical method for optimizing RIA detection

practical method for optimizing KIA detection and precision limits, 226 presence of endogenous digitalis-like factors in human milk (Al, 941 Protein A–Sepharose to measure free insulin in plasma, 64 raised 24-h urinary excretion of digitalis-like factor in type 1 diabetics: linkage with hypertension? (A), 941

rapid self-contained immunoassay for total T_3 (A), 940 relationship of serum estradiol and

progesterone concns. to excretion profiles of their major urinary metabolites as meas. by enzyme immunoassay and RIA, 838

enzyme immunoassay and RIA, 535 release of GGMP evaluated as diagnostic tool in cardiac diseases, 186 results of a national collaborative study for analytical evaln. of cyclosporine immunoassay (A), 957 RIA kit for quant. meas. of androstanediol

glucuronide (A), 1049
RIA kit for the quant. meas. of natural and recombinant erythropoietin in serum (A),

RIA of inhibin based on synthetic human inhibin α-chain peptide, 40

RIA of interleukin-6 in plasma, 1691 serum profiles of steroid hormones in patients with Cushing's syndrome detd. by HPLC/RIA, 1329

serum 17α-hydroxyprogesterone in infants and children measured by direct RIA (A), 939

children measured by direct MA (A), 339 solid-phase enzyme immunoassay for serum dehydroepiandrosterone sulfate using microtiter wells (A), 942 specific meas. of cyclosporine A concns. in whole blood: comparison of RIA and fluorescence polarization immunoassay (A),

994 specific meas. of cyclosporine concns. in whole blood: RIA and FPIA compared (L), 2150 specific measurements of cyclosporin A in kidney, heart, and liver transplant patients by RIA with monoclonal antibody and ¹²⁵I tracer (A), 1019 temp.-dependent immunoreactive assay to

temp.-dependent immunoreactive assay to screen for digoxin-like immunoreactive factor(s), 1900 thyroperoxidase and microsomal antibody assays in sera from patients with Graves disease (SN), 1777 total T₃ meas. in serum by time-resolved fluorescence immunoassay (A), 1029 two specific immunoassays of cyclosporine compared in liver transplant recipients (L), 2020 2020

urinary excretion of glycated protein detd.
with a specific RIA, 504
use of Abbott IMX automation system for
replacement of eight RIAs (A), 1026
validation of candidate RIA reference method

valuation of candidate KIA reference method for digoxin (A), 999

1281-radioligand assay for serum diethylstilbestrol (A), 1039

Radioimmunoscintigraphy
human anti-murine antibody interference in measurement of CEA assessed with a double-antibody enzyme immunoassay, 51

Radioligand assay I-radioligand assay for serum diethylstilbestrol (A), 1039

Radioreceptor assay radioligand receptor assay for measuring follitropin in serum: appln. to premature ovarian failure, 508

Random-access analysis adaptation of Technicon RA® T₄ immunoassay to Technicon CHEM 1® (A), 981

to 1 echnicon CHEM 1º (A), 981 comparison of therapeutic drug monitoring by TDxFLx and TDX systems (A), 1000 evaln. of Miles/Technicon DAX-96 analyzer for interferences, and comparison of assay results with SMAC and BM/Hitachi 717 (A),

evaln. of precision performance of Beckman Synchron CX*7 System (A), 961 evaln. of Technicon Axon chem. analyzer (A),

evaln. of Technicon's AXON in clin. ref. lab. (A), 980

evaln. of TOSOH AIA-1200 immunoassay

evain. of 1050H AIA-1200 immunoassay system (A), 978 evaln. of urine amylase, phosphorus, uric acid, and urea N on Beckman Synchron CX* 4/5 clin. system (A), 971 immunoassay automation—progress and perspectives (A), 1097

Kodak Ektachem 250 clin. chem. analyzer (A),

performance evaln. of NOVA Nucleus (A), 961 precision of Beckman Synchron CX7 in a clin. setting (A), 971

problems encountered in adapting Syva reagents to the Beckman Synchron CX4 (L),

two part Ca analysis on the Ciba Corning 550 Express[®] analyzer (A), 968

Random-access immunoassay automated chemiluminescence immunoassay test for alpha feto-protein (A), 1055 automated chemiluminescence immunoassay

test for luteinizing hormone (A), 1018 automated chemiluminescence immunoassay test for T-uptake (A), 941 automated chemiluminescence immunoassay

test for total thyroxine (A), 942 digoxin, hCG and TSH on "Affinity", the immunochemistry analyzer of Becton Dickinson (A), 1025

Range detn. of linear range using total error approach (A), 959

Rapamycin HPLC of rapamycin (TB), 294

Rate nephelometric assay development of rate nephelometric assay for carbamazepine on Beckman Array® 360 (A),

development of rate nephelometric assay for phenobarbital on Beckman Array® 360 (A), 1003 rate nephelometric biotin—avidin immunoassay for valproic acid on Beckman Array® 360 (A), 1026

biochemical studies on effects of continuous

light on albino rat retina (A), 1066 effect of long-term exercise training on microvascular risk factors associated with diabetic nephropathy in obese (diabetic) Zucker rat (A), 1066

Reagent strips

measurement of glucose in CSF with reagent strips and a reflectance photometer (L), 590

Recalcification time modified whole blood recalcification time monitors subclinical hypercoagulability (A), 952

Receiver-operating characteristic curves See also Statistics

diagnostic and prognostic utility of phospholipase A acty. in patients with acute pancreatitis: comparison with amylase and ipase, 356

likelihood ratios and graphical methods for assessing clinical test performance (A), 953

assessing clinical test performance (A), 953
Receptor-binding assays
six methods for direct radioiodination of
mouse epidermal growth factor compared:
effect of nonequivalence in binding behavior
between labeled and unlabeled ligand (SN),

Receptors leceptors
anti-asialoglycoprotein receptor antibody and intestinal-origin alk. phosphatase in plasma in diabetes (L), 589 glucocorticoid receptors in normal leukocytes: effects of age, gender, season, and plasma cortisol concns., 1715 new receptor-binding assay for glycosylated low-density lipoprotein (A), 928 simultaneous meas. of thyrotropin receptor stimulating and blocking autoantibodies using human thyrocyte cultures (A), 938 lecombinant DNA

Recombinant DNA confirmation and differentiation of antibodies

to HIV-1 and -2 with a strip-based assay including recombinant antigens and synthetic peptides (A), 1700 different constructs for expression of mammalian y-glutamyltransferase cDNAs in Escherichia coli and in Saccharomyces

nn Escherichia cott and in Saccharomyces cerevisiae, 662 eukaryotic cDNA expression vectors in drug metabolism studies (A), 1099

ligand affinity chromatog, sepn. of serum IgG on recombinant Protein G-silica (SN), 882

on recombinant Frotein v-Sinca (SIV), 682 performance of Cedia® cortisol assay on the Fisher/IL Monarch® (A), 942 performance of Cedia® total T₃ assay on Roche Cobas FARA® (A), 944 RIA kit for the quant. meas. of natural and recombinant erythropoietin in serum (A),

serological diagnosis with recombinant peptides/proteins (E), 1667 use of PCR to detect DNA contaminants in pharmaceutical recombinant products (S), 1523

Reference interval

advances in catecholamine and metabolite measurements for diagnosis of pheochromocytoma (S), 1854 age and ref. intervals. always changing (A), 905

biol. variability of superoxide dismutase, glutathione peroxidase, and catalase in blood, 1932

carboxyterminal propeptide of type I procollagen in CSF in childhood and in children with leukemia undergoing

intrathecal treatment, 1365
establishment of ref. interval for
β₂-microglobulin in CSF with use of two
comm. assays (SN), 104

IRMA detn. of intact parathyrin evald. in normal children and in patients with various disorders of Ca metab. (SN), 1999 longitudinal assessment of changes in

reproductive hormones during normal pregnancy, 667

quant. fluorometric screening test for fecal

quant. fluorometric screening test for fecal porphyrins, 826 ref. interval for ultrafilterable magnesium in serum/plasma (A), 985 ref. intervals for Boehringer Mannheim/Hitachi 747 (A), 1071 statistical criteria for separate ref. intervals: race and gender groups in creatine kinase, 1580

Reference materials See also Standard Reference Materials certified ref. material for serum cholesterol

corcin meas. (A), 925 development, validation, and certification by isotope dilution GC-MS of lyophilized human serum Ref. Materials for cortisol (CRM 192 and 193) and progesterone (CRM 347 and 348), 540

different constructs for expression of mammalian γ-glutamyltransferase cDNAs in Escherichia coli and in Saccharomyces cerevisiae, 662

Reference Method

ceterence Method clin. chem. analyte ref. systems based on true value (E), 1665 comparison of four free T₄ methods with FT₄ by equilibrium dialysis (A), 940 factors influencing accuracy of Natl. Ref.

System Ref. Method for total cholesterol, 2053

HPLC with enzymatic detection as a candidate Reference Method for serum creatinine,

target value assignment in proficiency testing programs: is using ref. methods a valid approach? (A), 957 validation of candidate RIA reference method

for digoxin (A), 999

Reference values

See also Reference interval age- and sex-related differences in urinary excretion of norepinephrine, epinephrine, and dopamine in adults (SN), 875 computerized method for validating lab. ref. ranges for T₃ and T₄ immunoassays (SN),

438

concns. of subfraction HDL₂ and lipoprotein A-I in a random population of healthy evaln. of Amerlite CK-MB immunoassay (A), 914

examn. of ref. range for aspartate aminotransferase detd. on Ektachem 700 SB after collection in heparinized gel separator after collection in 100 tubes (A), 913 tubes (A), 913 factors affecting detns. of Mg in serum by factors affecting spectrometry (SN), 723

atomic absorption spectrometry (SN), 723 increases in CA 125 concns. in children (L),

2018
meas. of Protein S in plasma, 1708
modified enzyme-based colorimetric assay of
urinary and plasma oxalate with improved
sensitivity and no ascorbate interference: ref. values and sample-handling procedures (SN), 1229

(SN), 1229
multicenter evaln. of enzyme-linked immunoassays of follitropin and lutropin in serum or plasma (SN), 1257 new enzyme-linked immunosorbent assay for glycocalicin in plasma, 169 pediatric ref. ranges for Vitamin B12 and Folate (A), 989

Folate (A), 989
ref, values for improved colorimetric method
for detn. of fructosamine (A), 964
RIA of interleukin-6 in plasma, 1691
serum concns. of lipoprotein(a) during normal
pregnancy and postpartum (TB), 2009
survey of reference limits for prostate-specific
antigen in apparently healthy males, age

40–86 years (A), 1054
ultrasensitive, specific, two-antibody IRMA that
defects free alpha subunits of glycoprotein
hormones in blood of nonpregnant humans,

whole blood donors as a chemistry reference population (A), 955

Reflectance densitometry development of thin-film assay for serum cholinesterase using butyrylthiocholine as substrate (A), 966

Reflectance photometry colorimetric detn. of K in plasma/serum with Reflotron using dry-chemistry reagent (A),

direct measurement of HDL cholesterol by the Reflotron assay with no manual pptn. step (SN), 435

measurement of glucose in CSF with reagent strips and a reflectance photometer (L), 590

Releasable linker immunoassay rensitive, colorimetric enzyme amplification cascade for detn. of alk. phosphatase and appln. to immunoassay of thyrotropin (S), 1513

Renal disease

See also Calculous disease, Kidney disea albuminuria vs urinary total protein for detecting chronic renal disorders (W), 621 effect of elevated Bile acid levels on digoxin measurements using immunoassays (A),

excretion of β_2 -glycoprotein I (apolipoprotein H) in renal tubular disease, 74

Renal failure

abnormal concns. of CII, CIII, and E
apolipoproteins among apolipoprotein
B-containing, B-free, and A-I-containing
lipoprotein particles in hemodialysis
patients, 387
characterization of 3-carboxy-4-methyl-5propyl-2-furanpropionic acid in plasma from
patients with chronic renal failure (A), 945
development and validation of
immunoradiometric assay of parathyrinrelated protein in unextracted plasma, 678
hyaluronic acid in end-stage renal failure
treated by haemodialysis (A), 944
influence of intermed.-density lipoproteins on
accuracy of the Friedewald formula (SN),
1394 abnormal concns. of CII, CIII, and E

1394

multiple forms of alk. phosphatase in plasma of hemodialysis patients, 815 relationship of whole blood and plasma

glutathione concentrations to anemia in humans and rats with renal insufficiency (A), 1067

Renal function

diagnostic and genetic studies in 43 patients with classic cystinuria, 68
easier enzymatic detn. of guanidinoacetic acid

in urine (L), 478 in vivo MoAb administration effects on renal function (A), 931

function (A), 931 interlaboratory comparison of measurements of albumin in urine, 191 monitoring 5-fuorocytosine serum concentrations in immunocompromized patients with severe fungal infections (A), 1004

release of cGMP evaluated as diagnostic tool in

cardiac diseases, 186 urinary neopterin in patients with systemic lupus erythematosus, 47

Renal plasma application of p-aminohippuric acid method to Cobas Mira (A), 983

Renal transplant abbrev. kinetic profiles in area-under-the-curve monitoring of cyclosporine therapy,

changes in serum amino acid patterns in renal transplant patients during acute rejection (A), 1069

meas. of serum β₂-microglobulin levels by Du Pont aca® discrete clinical analyzer (A), 1043

rapid liquid-chromatog. method for simultaneous detn. of plasma prednisone, prednisolone, and corticol in pediatric renal

prednisolone, and cortisol in pediatric rena transplant recipients, 643 thromboxane B₂ in diagnosis of renal transplant rejection (L), 2157 urinary NO₂/NO₃: marker for renal allograft rejection? (L), 1303

abnormal Na metab. and plasma renin acty. (renal renin secretion) and the vasoconstriction volume hypothesis: implications for pathogenesis and treatment of hypertension and its vascular consequences (heart attack, stroke) (S). 1820

plasma renin acty. and plasma prorenin assays (S), 1811

(S), 1911 role of lab. testing in diagnosis of renovascular hypertension (S), 1831 steroid characteristics of mineralocorticoid adrenocortical hypertension (S), 1843

Reperfusion cardiac troponin T in diagnosis of acute myocardial infarction, 845 development and appln. of monoclonal antibodies to human cardiac myoglobin in a

rapid fluorescence immunoassay, 1356

use of creatine kinase-MB and MB isoforms for non-invasively assessing reperfusion after thrombolytic therapy in acute myocardial infarction (A), 913

Respiratory disorders

See Lung disease

Respiratory distress syndrome

See Amniotic fluid, Fetal status Restriction fragment length polymorphism

automation of electrophoretic techniques for DNA anal. (A), 898 investigation of 7.20 kb BglII HLA-DQA1 restriction fragment length polymorphism in insulin-dependent diabetes mellitus (A), 1058

Retina

biochemical studies on effects of continuous light on albino rat retina (A), 1066

Retinol-binding protein

weinor-binding protein
above-normal urinary excretion of retinolbinding protein and albumin in Albustixneg, hypertensive patients (TB), 1446
albumin, transferrin, prealbumin, and retinolbinding protein: markers for nutritional
status in total parenteral nutrition patients
(A), 985

(A), 985
monoclonal antibody based enzyme
immunoassays for the detn. of retinol
binding protein (A), 1062
production, selection, and labeling of
monoclonal antibodies anti-retinol binding

protein (A), 930 slide latex assay for rapid semi-quantn. of urinary retinol binding protein (A), 1064

Retinopathy

association between urinary N-acetyl-β-glucosaminidase and its isoenzyme patterns and microangiopathy in type 1 diabetes mellitus (A), 1696 increased thrombomoidulin values in plasma of

diabetic men with microangiopaphy (SN),

269
serum angiotensin-converting enzyme in
patient with sarcoidosis and diabetic
retinopathy (A), 917
urinary excretion of glycated protein detd.
with a specific RIA, 504

Reviewers

Heviewers —1991, 2162
Rhabdomyolysis
CK-MB mass determinations in non-traumatic alcoholic rhabdomyolysis (A), 1023

Rheumatoid arthritis

correlation of clin. activity in rheumatoid arthritis patients with beta-2-microglobulin and other lab. indicators (A), 1042 RIA of interleukin-6 in plasma, 1691

Rheumatoid factor
clin. evaluation of murine mRF-IC ELISA kit,
excellent correlation to disease activity of SLE (A), 1020

SLE (A), 1020
development of immune complex ELISA kit
utilizing murine F(ab')2-IgG1 monoclonal
rheumatoid factor, highly specific for human
IgG-complexes (A), 1042
measuring RF in nonrheumatoid subjects:
immunoturbidimetric assay, latex slide test,
and enzyme-linked immunosorbent assay compared (SN), 1766

use of chicken antibodies in enzyme immunoassays to avoid interference by rheumatoid factors, 411

Rickets

equential concns. of Cu and ceruloplasmin in serum from preterm infants with rickets and fractures (SN), 556

development and application of RIA for methylphenidate in hyperactive children (A), 1000

Ritodrine

interference by ritodrine in GC/MS confirmation of delta-9-tetrahydrocannabinol-9-carboxylic acid in urine (L), 1305

RNA

antisense RNA produces phenotypic changes in transgenic plants (A), 617 new ribozyme: hepatitis delta virus RNA (A),

PCR and QB replicase amplification (S), 1482 Robotics

development of programmable robotics pipetting station for glycohemoglobin analysis (A), 966

analysis (A), 900 robotics in the med. lab. (L), 301 simplified format for DNA probe-based tests

Rocephin

interference of Rocephin in salicylate detn. by Dupont aca (A), 934

Rocket immunoelectrophoresis See Immunoelectrophoresis

Rubidium

magnesium and rubidium in CSF of patients with brain tumors, leukemia, or other noncerebral neoplasms and neurological disorders (A), 986

Salicylate

ancylate evaln. of salicylate method on Kodak Ektachem 700 analyzer (A), 1013 interference of Rocephin in salicylate detn. by Dupont aca (A), 934 salicylate assay designed for use on Du Pont Dimension[©] clin. chem. system (A), 1003

Saliva

bioavailable testosterone in salivary glands (E), 139

digoxin-like immunoreactivity in saliva and plasma of pregnant women (L), 135 interdependence of non-sex-hormone-binding globulin-bound testosterone and cortisol (L), 1461

methadone in saliva (L), 1297

multielement anal. of biol. samples by inductively coupled plasma-mass spectrometry. II. rapid survey method for

spectrometry. II. rapid survey method for profiling trace elements in body fluids, 210 quantn. of free secretory component in saliva by enzyme immunoassay (TB), 1287 salivary testosterone and plasma total, non-sex-hormone-binding globulin-bound, and free testosterone in normal and hisrate women during dependence of the salivary description.

and tree testisectorie in rollina and insue women during dexamethasone/synthetic corticotropin treatment, 180 time-integrated meas, of corticosteroids in saliva by oral diffusion sink technol, 1166 ultrafiltrate of saliva collected in situ as a biol sample for diagnostic evaluation (SN), 114

Sample collection

comparison of serum from red-top and experimental serum separator gel tubes in assay of tricyclic antidepressants (A), 994 assay of theyene attemptessants (14), 304 evaln. of recovery between samples presented in primary tubes and in cups on Beckman Synchron CX* 7 (4.), 972 quality assurance of outpatient phlebotomy

procedures (A), 957 signif. differences between arterial and venous endothelin-like immunoreactivity in plasma (TB) 2012

stability and accuracy evaln. of capillary collection system for Hb A_{1c} specimens (A), 988

Sample handling Abbott Prism: multichannel heterogeneous chemiluminescence immunoassay analyzer

anal. of HIV detection by polymerase chain

reaction: identn. and reduction of contamination (A), 1058 applien. of Syva EMIT® therapeutic drug assays to the Ciba Corning 550 Express using convenience on-board dilution procedures

(A), 1010
blood-collection device for trace and ultra-trace metal specimens evaluated (SN), 709
changes in O₂ meas. when whole blood is stored in iced plastic or glass syringes (SN), 1244

comparison of plastic vs. glass serum separator—blood drawing tubes: meas. of clin. chem. parameters (A), 976 comparisons between serum and plasma:

analytes measured on the Baxter Paramax (A), 967

(A), 967 contamination of breath CH, samples in sterilized Vacutainer Tubes (L), 2019 defects in diagnostic kits for detg. urate in serum (SN), 879 definition of "reportable range": statistical confirmation of calibration curve extrapolation on Kodak Ektachem analyzers (A) 968

extrapolation on Rodak Extracnem analyze (A), 956 detn. of product shelf life and activation energy for five drugs of abuse, 398 detn. of stability (E), 313 effect of freezing on cholesterol in individual sera (TB), 584

effect of frozen storage of serum on the level of 22 chem. analytes (A), 931 effect of storage time on peptic acty. in gastric biopsies (L), 1658 effects of storage time and temp. on urinary enzymes (SN), 1436

evaln. of recovery between samples presented in primary tubes and in cups on Beckman Synchron CX® 7 (A), 972

Synchron CA* 7(A), 912
improved prepn. of hepatic microsomes for in
vitro diagnosis of inherited disorders of
glucose-6-phosphatase system (SN), 739
integrated blood-collection system as a vehicle
into complete clin. lab. automation (S), 1548

muo compiete cini. lab. automation (S), 1648 measuring urinary albumin: precision, substances that may interfere, and conditions for sample storage (SN), 2120 more on effects of storage time and temp. on measurement of small concns. of albumin in wine (1), 591

measurement of smart contains. Of administration urine (L), 591
performance of 12 Syva EMIT® D.A.U. assays on Ciba Corning 550 Express by convenient on board dilution method (A), 1010
possible explanation for decrease in albumin in stored urine samples (L), 2013

stored urine samples (L), 2013
prepg. conc., gradient of serum components
by freezing and thawing (SN), 1225
quantifying intermediary metabs. in whole
blood after deproteinization with
sulfosalicylic acid (SN), 728
reaction tray and noncontact transfer method
for heterogeneous chemiluminescence

immunoassays, 1612 simplified format for DNA probe-based tests

stability of phencyclidine and amphetamines in urine (TB), 2141

storage conditions for serum for estg. prostate-specific antigen (SN), 113 storage of CH₄ breath-test samples in plastic syringes (L), 2161

storage stability of citrate blood samples for coagulation analyses (A), 952 time-resolved immunofluorometric assay of

17β-hydroxysteroid dehydrogenase in plasma (SN), 1412

Sample preparation
dry electrolyte-balanced heparinized syringes
evaluated for detg. Ca** and other
electrolytes in whole blood (SN), 1730 efficient extraction of basic, neutral, and

efficient extraction of basic, neutral, and weakly acidic drugs from plasma for anal. by GC-MS (SN), 1975 improved amplification of cytomegalovirus DNA from urine after purification of DNA with glass beads, 1945 improved sample prepn. for accurate detn. of low concens. of Pb in whole blood by graphite furnace analysis, 515 influence of type of tonometry and sample presentation on corrected pO₂ value (A), 946 micro anal. for Mg in myocardial biopsies (SN), 1401

1401 six methods for direct radioiodination of mouse epidermal growth factor compared: effect of nonequivalence in binding behavior between labeled and unlabeled ligand (SN),

Sample treatment

ample treatment
evaln. of four different incubation protocols of
Pharmacia 'DELFIA' TSH kit for neonatal
hypothyroid screening (A), 987
five treatments evald. for elimination of
ascorbate interference in enzymatic detn. of
urinary oxalate (SN), 864

urinary oxalate (SN), 864
glycation of human serum albumin in long-term incubation with low and high concentrations of glucose (A), 1061
specific assay for cyclosporine on the Du Pont aca* discrete clin. analyzer—case for no extraction (A), 1023

San Diego Conference introduction, fifth San Diego Conference on nucleic acids: new frontiers, 599

Sarcoidosis serum angiotensin-converting enzyme in patient with sarcoidosis and diabetic retinopathy (A), 917

Scanning densitometry monoclonal immunoglobulin quantn. scanning densitometry vs rate nephelometry (A), 1061

Scintillation proximity assay appln. of scintillation proximity assay to homogeneous RIA of androstenedione, dehydroepiandrosterone, and 11β-hydroxyandrostenedione (TB), 293

Screening
See also Toxicology
Abbott Prism: multichannel heterogeneous chemiluminescence immunoassay analyzer

acid Hb electrophoresis and glycohemoglobin bands (TB), 582

addition of β-hCG to maternal serum screening program to improve detection of Down syndrome (A), 1019 apparent lack of concordance between free T₄

and TSH detns. (A), 943 appln. of comprehensive protocol for detection

and diagnosis of congenital hypothyroidism in Brazil (A), 935 assay of the free β-subunit of choriogonadotropin and its potential value in screening for Down's syndrome evald.,

clin. sensitivity of zinc protoporphyrin as screening procedure for lower-level lead-poisoned urban children (A), 989 cost-based comparison of semiquantitative

reens of fetal and maternal urine for drugs

of abuse (A), 1014
development of screening ELISA and
confirmatory assay for hepatitis C antibodies

based on synthetic peptides (A), 1024 development of screening test to measure benzoylecgonine in neonatal blood spots (A), 1017

diagnostic and genetic studies in 43 patients with classic cystinuria, 68 drug anal. at the 1988 Olympic Winter Games

in Calgary (SR), 1289

in Laigary (Str.), 1603
drug screening with EMIT reagents: quant.
approach to quality control (SN), 733
effect of drug ingestion on maternal serum
alphafetoprotein (A), 934
emergency toxicol. testing (detection,
confirmation, and quantn.) of basic drugs in serum by liquid chromatog, with photodiode array detection (SN), 2124 enzyme immunoassay screening of

 α_1 -antitrypsin in dried blood spots from 39 289 newborns. 821

arthrypam in meret oboto spots into a 289 newborns, 821 erythrocyte protoporphyrin screening test for low Pb exposure in children: impact of lowering the B-Pb action threshold, 216 evaln. of automated assay for AFP in serum and amniotic fluid (A), 1048 evaln. of Botheringer Mannheim Hitachi 717 analyzer for drugs of abuse and comparison of results with Monarch 2000° (A), 1016 evaln. of four different incubation protocols of Pharmacia 'DELFIA' TSH kit for neonatal hypothyroid screening (A), 987 evaln. of glycated albumin analyzer GAA-2000° by HPLC two-column method and clin. appln. of glycated albumin (A), 982 evaln. of methamphetamine screening kit (A), 999

evaln. of phencyclidine on the Biosite Triage drug-screening assay (A), 1011 evaln, of rapid visual immunoassay for opiates

in urine (A), 1010 Fructosamine Test-Plus, modified fructosamine assay evaluated (SN), 552 FT₄ measured in dried blood spots from normal, low-birth-weight, and hypothyroid neonates (SN), 2114

genetic screening of newborns for sickle cell disease: correlation of DNA anal. with Hb electrophoresis (SN), 454

hexosaminidase contamination in bovine serum albumin: potential problem in screening for gene carriers of Tay—Sachs disease (L), 1462 hypercholesterolemia in children (A), 1098 identin of variant anglipportetia E by

identn. of variant apolipoprotein E by isoelectric focusing and restriction isotyping

in type III hyperlipoproteinemia (L), 1308 immunochemiluminometric assays based on acridinium labels with a microtiter late luminometer (TB), 472 importance of creatinine analyses of urine

when screening for abused drugs, 1927 importance of lowering the cut-off concentrations for urine screening and

confirmatory tests for benzoylecgonine/cocaine (A), 993 improvement in efficiency of Toxi-lab® drug detection system by use of overpressure layer chromatog. (A), 1001 interference by ritodrine in GC/MS

confirmation of delta-9-tetrahydrocannabinol-9-carboxylic acid in urine (L), 1305 interference in GC/MS confirmation of

delta-9-tetrahydrocannabinol-9-carboxylic acid by a secondary tetrahydrocannabinol metabolite (L), 1307

logistic-regression model for assessing portal hypertension by measuring hyaluronic acid (hyaluronan) and laminin in serum, 30 meas. of choriogonadotropin free β-subunit: alternative to choriogonadotropin in screening for fetal Down's syndrome? (E), 779

meas. of porphobilinogen in urine by simple resin method with a surrogate std. (SN),

medical drug screening using Abbott ADx® system (A), 1013 monoclonal antibody immunoassay for identa. of hemoglobin variants (A), 950

on hemograph variants (A), 500 multielement anal. of biol. samples by inductively coupled plasma-mass spectrometry. II. rapid survey method for profiling trace elements in body fluids, 210

conatal hypothyroid screening with thyrotropin kit and an overweekend incubation protocol (L), 132

incubation protocol (L.), 132
incubation protocol (L.), 132
incontail hypothyroidism screening with
immunochemiluminometric assay of
thyrotropin (TB), 1796
neonatal screening for amino acid disorders in
southern Brazil: pilot study results (A), 989
performance and clin. reliability of Amerlite®
FT, MAB assay (A), 936
performance of EMIT® DAU monoclonal

performance of EMIT® DAU monoclonal amphetamine/methamphetamine and Coat-A-Count® methamphetamine assay as secondary tests for positive amphetamine screens (A), 1002 prevalence of non-A, non-B hepatitis/hepatitis C virus antibody in lab. quality-assurance sera, 797 quant. fluorometric screening test for fecal

quant. Huorometric screening test for fecal porphyrins, 826 quantn. of glutaraldehyde by HPLC (A), 957 quantn. of lipoprotein(a) in dried blood spots and screening for above-normal lipoprotein(a) concns. in newborns (SN), 706 rapid monitoring of benzodiazepines in clin. samples by on-line column switching HPLC, 804

804
rapid, semi-quant. assay of C-reactive protein
evald. (SN), 1981
serial cholesterol concentrations in public
screening program participants (A), 926
single-spin density-gradient ultracentrif. vs
gradient gel electrophoresis for detecting
LDL heterogeneity, 853
spot test not a reliable screening procedure for
mucopolysaccharidoses (SN), 572
sweat N aor CPC TRB 100

sweat Na or Cl? (TB), 112 temp.-dependent immunoreactive assay to screen for digoxin-like immunoreactive factor(s), 1900

vith photodiode-array detection and UV spectral library searches, 1210

which parathyrin assay is really best for clin. use? (L), 1464

Secretory component quantn. of free secretory component in saliva by enzyme immunoassay (TB), 1287

Selenium

detn. of trace selenium in serum by microcomputerized catalytic polarography (A),

Semen evaln. of semen parameters affecting hamster egg penetration assay (A), 967 meas. of nicotine and cotinine levels in semen by gas chromatog. (A), 995

Sepsis

rapid, semi-quant. assay of C-reactive protein evald. (SN), 1981 Serotonin

rapid, specific enzyme immunoassay of serotonin, 1178 Sex- and age-related effects
See also Age-related effects, Sex-related
differences

age- and sex-related differences in urinary

age: anu sex-related differences in urinary excretion of norepinephrine, epinephrine, and dopamine in adults (SN), 875 biol. variability of superoxide dismutase, glutathione peroxidase, and catalase in blood, 1932

glucocorticoid receptors in normal leukocytes: effects of age, gender, season, and plasma cortisol concns., 1715 plasma protein-bound sialic acid in patients with colorectal polyps of known histology,

quantn. of serum amyloid P by enzyme-linked immunosorbent assay (SN), 1742

relationship of lipoprotein(a) to variables of coagulation and fibrinolysis in healthy population, 1950

Sex-hormone-binding globulin

interdependence of non-sex-hormone-binding globulin-bound testosterone and cortisol (L),

longitudinal assessment of changes in reproductive hormones during normal

pregnancy, 667 particle-enhanced turbidimetric immunoassay of sex-hormone-binding globulin in serum,

salivary testosterone and plasma total, non-sex-hormone-binding globulin-bound, and free testosterone in normal and hirsute women during dexamethasone/synthetic corticotropin treatment, 180

time-resolved immunofluorometric assay of sex hormone binding globulin in serum (A), 1042

Sex-related differences body mass index and liver enzyme acty. in

serum (SN), 720 choriogonadotropin-mediated thyrotoxicosis in

a man (CR), 1127
conens. of subfraction HDL₂ and lipoprotein
A-l in a random population of healthy
subjects, 2111

suggests, 2111 inclusion of proteins into Ca oxalate crystals pptd. from urine: a highly selective phenomenon, 1589

SGOT

See Aspartate aminotransferase

Shock

in vitro and in vivo effects of hypertonic saline/Dextran-70 on protein detns. in serum or plasma (L), 1801

Sialic acid

See also Neuraminic acid, Acetylneuraminic acid plasma protein-bound sialic acid in patients

with colorectal polyps of known histology, 200

Sickle cell disease

nockie cell disease endocrine functions in sickle cell disease patients (A), 940 genetic screening of newborns for sickle cell disease: correlation of DNA anal. with Hb electrophoresis (SN), 454

hydroxyurea for treatment of sickle cell disease (A), 1071

some biochemical changes induced by antisickling nutrients phenylalanine, Cajanus cajan extract and Sicklervit® (A),

Sicklervit®

some biochemical changes induced by antisickling nutrients phenylalanine, Cajanus cajan extract and Sicklervit[®] (A),

detn. of Ag in blood, urine, and tissues of volunteers and burn patients, 1683

electronic imaging for in situ detn. of damage and repair in human skin (A), 604

Smoking

carcinoembryonic antigen in serum of patients with colorectal polyps: correlation with histology and smoking status, 651 HPLC method compared with modified RIA of cotinine in plasma (SN), 1989 liquid-chromatog, detn. of nicotine and

induit-chromatog, deth. of incotine and cotinine in urine from passive smokers: comparison with gas chromatog, with N-specific detector (SN), 1276 meas. of nicotine and cotinine levels in semen

meas. of nicotine and cotinine levels in seme by gas chromatog. (Al, 995 meas. of urinary tobacco markers in a smoking-cessation program (L), 1655 plasma protein-bound sialic acid in patients with colorectal polyps of known histology,

serum nicotine monitoring as adjunct to nicotine replacement therapy (A), 1008

Sodium

abnormal Na metab. and plasma renin acty. (renal renin secretion) and the vasoconstriction volume hypothesis: implications for pathogenesis and treatment of hypertension and its vascular quences (heart attack, stroke) (S),

anal. of ion behavior and potentials in Na ion-selective membrane containing methyl monensin, 1375

characterization of Na-selective optode membranes based on neutral ionophores and

assay of Na in plasma, 1350 development of new thin-film Na ion selective electrode with improved specificity (A), 946

electrode with improved specificity (A), 946 discrepancies in Na results between the Kodak Ektachem 700 and Beckman CX3 or Radiometer KNA analyzers (A), 931 effect of hyperglycemia on plasma Na and K concn. (TB), 293 evaln. of enhanced Na'/K' standard and lithium concentrate for use on Olympus AU5000% flame photometer unit (A), 979 evaln. of Na/K analyzers marketed for physician's office labs. (A), 961 evaln. of urine Na and K on the BM/Hitachi 747 (A), 968 performance characteristics of Beckman

performance characteristics of Beckman performance characteristics of Beckman Synchron CX®7 clinical system for detn. of Na, K, chloride, CO₂₁ urea nitrogen, glucose, Ca, and creatinine (A), 974 plasma renin acty, and plasma prorenin assays

(S), 1811 sweat Na or Cl? (TB), 112

Sol particle immunoassay
D-dimer SPIA: quant. 5-minute immunoassay
for D-dimer (Å), 1040

Somatotropin

isotopic and nonisotopic assays of somatotropin compared: re-evaln. of cutoff value in provocative tests (SN), 273

Specific gravity
See Relative density
Specimen handling

See Sample handling Spectrofluorometry See Fluorometry

Spectrometry micro-quantn. of CsA and its metabolites, and detn. of their spectral absorptivities, 1185 Spectrophotofluorometry

Spectrophotofluorometry
See Fluorometry
Spectrophotometry
See also Atomic absorption
spectrophotometry, Colorimetry
absorption spectra of human fetal and adult
HbO₂, Hb, HbCO, and methemoglobin, 1633
angiotensin-converting enzyme detn. in
plasma during therapy with converting
enzyme inhibitor: two methods compared
(SN) 1390 (SN), 1390

(SIN), 1390 development of monoclonal antibody-based ELISA for quantn. of Lp(a) in plasma (A), 918 improved direct spectrophotometry for routine detn. of superoxide dismutase acty. (SN),

modified enzyme-based colorimetric assay of urinary and plasma oxalate with improved sensitivity and no ascorbate interference: ref. values and sample-handling procedures (SN), 1229

(SIV), 1223 new chemical method for analysis of propylthiouracil in urine (A), 1013 simple, sensitive meas. of CO in plasma (SN), 1442

turbid serum as an analytical medium: Ca detn. as a model (A), 944

Spectroscopy
evaln. of clin. utility of plasma lipoprotein
levels derived by proton NMR spectroscopy (A), 918

Spectroscopy, plasma emission routine anal. of copper and iron in liver by inductively coupled plasma emission spectroscopy (A), 983

extn. of human sperm membrane surface components involved in fertilization (A), 930

Spermidine erythrocytic polyamine detn. by reversed-phase liquid chromatog. (SN), 2117

Spermine erythrocytic polyamine detn. by reversed-phase liquid chromatog. (SN), 2117

semi-automated method for adenosine deaminase acty. (A), 918

Standardization clin. applns. and standardization of clin. appins. and standardization of apolipoprotein measurements in diagnostic workup of lipid disorders (E), 619 feasibility of international standardization of glycated hemoglobin meas. (A), 956 health care in the developing world: need for appropriate lab. technology (R), 490 IFCC standardization project for

measurements of apolipoproteins A-I and B,

immunoassay standardization and

interference reduction (A), 1096 potential problem with standardization of prealbumin (transthyretin) results in immunoturbidimetry (L), 588 stable uric acid std. solution with glycerol, not formaldehyde (L), 1138

Standards

See also Quality control

Statistics

analytical goals for determinations of theophyline concentration in serum, 154 analyzing quality-control trends with moving slope charts, 341

application of quality-control selection grids to IL Phoenix chem./electrolyte analyzer (A),

Combi scheme: combined internal/external quality-assessment scheme in The Netherlands, 1196 development of spreadsheet template for

comparison of methods according to NCCLS EP9 guidelines (A), 953

estimating performance characteristics of qual-control procedures when error persists until detection, 1720 individual probability for onset of full-blown disease in patients infected with human

immunodeficiency virus type 1, 351 influence ot assay method differences on

multiple of the median distributions: maternal serum-α-fetoprotein as an example, 637

lab. process specifications for assuring quality in U.S. National Cholesterol Education Program, 656

likelihood ratios and graphical methods for Intelinood ratios and graphical methods for assessing clinical test performance (A), 953 math. model for comparing proficiency testing results across anal. methods (SN), 265 multi-factor designs IV. how multi-factor designs improve estimates of total error by

accounting for protocol-specific biases, 26 PC-compatible spreadsheet template for performing general lab. calculations (A), 953 recommended linear-regression models for comparison of methods in clin. chem. (A),

960 statistical confirmation of the number of calibrator levels required for Kodak Ektachem analyzers (A), 959

statistical criteria for separate ref. intervals: race and gender groups in creatine kinase,

using weighted regression to avoid deficiencies of ordinary regression in estimating systematic bias of assays with wide dynamic ranges (A), 1040

Steroid hormones

appln. of scintillation proximity assay to homogeneous RIA of androstenedione, dehydroepiandrosterone, and 11β-hydroxyandrostenedione (TB), 293 approaches to minimizing interference by

cross-reacting molecules in immunoassays

fully automated steroid determination on the immuno-analyzer ES 300: development and performance of new direct highly sensitive enzyme immunoassay for serum estradiol

tully automated steroid detn. on the immuno-analyser ES300: performance of serum progesterone and testosterone assays (A), 1020

interdependence of non-sex-hormone-binding globulin-bound testosterone and cortisol (L), 1461

relationship of serum estradiol and

relationship of serum estradiol and progesterone concas, to excretion profiles of their major urinary metabolites as meas, by enzyme immunoassay and RIA, 838 serum profiles of steroid hormones in patients with Cushing's syndrome detd. by HPLC/RIA, 1329 steroid characteristics of mineralocorticoid advengent in a hypertension (8), 1843.

adrenocortical hypertension (S), 1843

Steroid receptors
See also specific steroid of interest
immunoradiometric assay of pS2 protein in
breast cancer cytosols (SN), 1759

Steroids See also specific steroid of interest

Streptavidin Al phthalocyanine-streptavidin: sensitive fluorescent tracer for immunoassay (SN), applications of time-resolved fluorometry in molecular biology techniques (A), 1060 direct time-resolved fluoroimmunoassay of

progesterone involving biotinylated protein-tracer conjugate and labeled streptavdin (A),

mass detn. of pancreatic amylase with immunoenzymometric assay using biotin streptavidin (A), 913

multiple labeling and time-resolvable fluorophores (S), 1486

novel applicn. of streptavidin–hapten derivatives as protein–tracer conjugate in competitive-type immunoassays involving biotinylated detection probes, 58 sensitive, fully mechanized TSH enzyme

immunoassay using streptavidin/biotin technology (A), 1035

Streptococcus

clin. eval. of ICON* Strep B, new rapid diagnostic test for detection of Group B Strep colonization (A), 1041

Streptokinase

anti-plasminogen autoantibody in a patient with recurrent deep vein thrombosis (A),

streptokinase dependent inhibitor of LD isoenzymes in human plasma (A), 917 Streptolysin O

nephelometric detn. of antistreptolysin O (A), 1045

Stroke

changes in lipid profile and apolipoprotein levels in patients with stroke (A), 926

Sulfamethoxazole

displacement of phenytoin from serum protein carriers by antibiotics: studies with ceftriaxone, nafcillin, and sulfamethoxazole

Sulfatoxymelatonin direct RIA of 6-sulfatoxymelatonin in plasma with use of an iodinated tracer, 536

Sulfosalicylic acid

quantifying intermediary metabs. in whole blood after deproteinization with sulfosalicylic acid (SN), 728

Superoxide dismutase biol. variability of superoxide dismutase, glutathione peroxidase, and catalase in blood, 1932

onco. of Mn-superoxide dismutase in serum in acute myocardial infarction (SN), 458 improved direct spectrophotometry for routine detn. of superoxide dismutase acty. (SN), 1993

Sweat

sweat Na or Cl? (TB), 112

Sympathetic nervous system role of vasopressin in clin. hypertension and congestive cardiac failure: interaction with

the sympathetic nervous system (S), 1828 Sympathomimetic amines

detn. of amphetamine, methamphetamine, and other sympathomimetic amines in urine by gas chromatog./mass spectrometry (A), 1001

Synthetic substrates

ynthetic substrates automated meas. of amylase isoenzymes by double kinetic assay with "blocked" β-2-chloro-4-nitrophenyl maltopentaoside as substrate and with wheat germ inhibitor,

isopropylidine maltoheptosyl fructofuranoside, doubly blocked substrate for detn. of endoamylase acty., 1323 usefulness of Cornish-Bowden equation to

determine some kinetic constants of thrombin-S2238 (A), 951

Systemic lupus erythematosus

ystemic lupus erythematosus
See also Lupus
albuminuria vs urinary total protein for
detecting chronic renal disorders (W), 621
RIA of interleukin-6 in plasma, 1691
urinary neopterin in patients with systemic

lupus erythematosus, 47

Tamm-Horsfall glycoprotein inclusion of proteins into Ca oxalate crystals pptd. from urine: a highly selective phenomenon, 1589

Tartrate

ion-chromatographic detn. of L-tartrate in urine samples (SN), 90

Taurine

bile acids and conjugates identd. in metab disorders by fast atom bombardment and tandem mass spectrometry, 2102 Tay-Sachs disease

hexosaminidase contamination in bovine serum albumin: potential problem in screening for gene carriers of Tay–Sachs disease (L), 1462

Teicoplanin development of a fluorescence polarization immunoassay for teicoplanin (A), 994

Teratocarcinoma choriogonadotropin-mediated thyrotoxicosis in a man (CR), 1127

a man (CR), 1127

Test strips
above-normal urinary excretion of retinolbinding protein and albumin in Albustixneg, hypertensive patients (TB), 1446
lab. correlation of bedside capillary glucose
using filter paper collection (A), 960
novel solid-phase assay of ketone bodies in
urine, 1665
versatile, non-clotting-based heparin assay
requiring no instrumentation, 832

requiring no instrumentation, 832

Testosterone

bioavailable testosterone in salivary glands (E), 139

fully automated steroid detn. on the immunoanalyser ES300: performance of serum progesterone and testosterone assays (A),

interdependence of non-sex-hormone-binding globulin-bound testosterone and cortisol (L), 1461

longitudinal assessment of changes in reproductive hormones during normal pregnancy, 667 salivary testosterone and plasma total,

non-sex-hormone-binding globulin-bound, and free testosterone in normal and hirsute women during dexamethasone/synthetic corticotropin treatment, 180

Tetrahydrocannabinol

etrahydrocannabinol
Abuscreen' Online® immunoassay for
detection of THC metabolites in urine on
Cobas MIRA® (A), 1003
Abuscreen® Online® immunoassay for THC
metabolites in urine on Olympus AU 5121
and 5131 automated analyzers (A), 1017
ensuring absence of false negative results on
GC/MS assay for
11-nor-delta-9-tetrahydrocannabinol due to
iburnofen interference (A) 1008 ibuprofen interference (A), 1008

Thalassemia

nariassemia evaln. of hemoglobin A₂ quantn. on Bio-Rad Diamat analyzer system (A), 951 iron—endocrine pattern in patients with β°-thalassemia (A), 940

analytical goals for determinations of theophyline concentration in serum, 154

Cedia* immunoassays for theophylline, phenytoin, and phenobarbital for Hitachi*
704 and 717 analyzers (A), 1005
development of rate nephelometric assay for theophylline on Beckman Array* 360 (A),

997
effect of several factors on electrophoretic mobility of theophylline by capillary electrophoresis (A), 977
evaln. of direct enzymatic method for meas. of theophylline in serum (A), 1014
evaln. of EMIT theophylline assay on Technicon CHEM 1 analyser (A), 973
fluorescence polarization immunoassay for theophylline (A), 1021

nuorescence polarization immunoassay for theophylline (A), 1021 immunoassay for low- and high-M, antigens with a dry multilayer film (S), 1525 meas. of theophylline in serum: comparison of four analytical systems (A), 1017 SYVA EMIT'S 2000 theophylline assay (A), 998 theophylline concs. predicted by Chiou

method (L), 768 theophylline detd. by flow injection immunoassay (A), 1002

Therapeutic drug monitoring See Monitoring therapy, and specific drug of

Thermal conductivity detector evaln. of the Kodak Ektachem Enzymatic CO₂ method (A), 946

Thio-NADH

reduced thio-nicotinamide adenine dinucleotide: alternative to meas dehydrogenase reactions in the visible region (A), 915

Thiocyanate

meas. of urinary tobacco markers in a smoking-cessation program (L), 1655

Thiol status

thiol status of isolated rat hepatocytes protected from cadmium toxicity by alphatocopherol succinate (A), 1068

Thrombin

usefulness of Cornish–Bowden equation to determine some kinetic constants of thrombin-S2238 (A), 951

Thrombolysis

hrombolysis
cardiac troponin T in diagnosis of acute
myocardial infarction, 845
development and appln. of monoclonal
antibodies to human cardiac myoglobin in a
rapid fluorescence immunoassay, 1356
noninvasive monitoring of thrombolysis after
myocardial infarction (A), 1100

Thrombomodulin

increased thrombomodulin values in plasma of diabetic men with microangiopaphy (SN), 269

Thrombosis

anti-plasminogen autoantibody in a patient with recurrent deep vein thrombosis (A),

development of antithrombin III chromogenic assay and evaln. on centrifugal analyzer (A), 963

evaln. of rapid immunochemical assay for

antithrombin III (A), 950 evaln. of the Organon Teknika MDA:180 hemostasis and thrombosis analyzer (A), 981

pre- and postoperative study of coagulation profile in cancer patients (A), 951

Thromboxane

thromboxane B₂ in diagnosis of renal transplant rejection (L), 2157

Thyroid disease

apparent lack of concordance between free T₄ and TSH detns. (A), 943 characterization and appln. of recombinant human thyroid peroxidase expressed in cultured Chinese hamster ovary cell (A),

free thyroxine index on Technicon RA[®] systems based on Technicon T4 and Cedia[®] T Uptake assays (A), 1032

Thyroid disorders evaln. of Syva ECP thyroxin and T-uptake reagents on the Cobas FARA II (A), 938

Thyroid function

evelopment of rapid enzyme immunoassay system for thyroid function testing (A), 1031

system for thyroid function testing (A), 1031 elastase inhibitory acty. in serum of patients with thyroid dysfunction (SN), 108 false-pos. titers of thyroid autoantibodies in patients undergoing hemodialysis? (L), 2153 free thyroxine index on Technicon RA^{cos} systems based on Technicon T4 and Cedia^{cos} T Uptake assays (A), 1032 interference in thyroid function tests in postpartum thyroiditis (SN), 1397 prevalence of familial dysalbuminemic hyperthyroxinemia in serum samples received for thyroid testing (SN), 1430 proposed guidelines for thyroid test utility (SR), 2002

Thyroid hormones

hyroid hormones
American Thyroid Assoc. assessment of
current free thyroid hormone and
thyrotropin meas, and guidelines for future
clin. assays (SR), 2002
external quality-assessment scheme with a

external quality-assessment scheme with a small number of participants: four years of experience with thyroid-related tests in Israel (SN), 1432 plasma as sample type for thyroid assays on Beckman Synchron CX*4/5 (A), 934

Thyroid peroxidase characterization and appln. of recombinant human thyroid peroxidase expressed in cultured Chinese hamster ovary cell (A), 1027

Thyroid status
See also Thyroxin, Triiodothyronine,
Hypothyroidism, etc.
clin. performance of IMx ultrasensitive
hTSH[®] test (A), 939
efficacy of Opus[®] T, and T Uptake assays in
evaluation of thyroid status (A), 938
performance and clin. reliability of Amerlite^{cos}
FT_c-MAB assay (A), 936
unusual byreerthyroxinemia caused by

unusual hyperthyroxinemia caused by endogenous T₄ antibodies (L), 1656

interference in thyroid function tests in postpartum thyroiditis (SN), 1397

Thyronine

hyronine
performance of Microgenics Cedia[®] T, MAb
and T uptake assays on the Coulter
Electronics' Optichem (A), 944
performance of revised thyroxine and
thyronine uptake methods on the Du Pont

aca® discrete clinical analyzer (A), 936

Thyroperoxidase

thyroperoxidase and microsomal antibody assays in sera from patients with Graves disease (SN), 1777

Thyrotoxicosis

choriogonadotropin-mediated thyrotoxicosis in a man (CR), 1127

Thyrotropin

Phyrotropin

American Thyroid Assoc. assessment of current free thyroid hormone and thyrotropin meas, and guidelines for future clin. assays (SR), 2002
automated chemiluminescent high sensitivity TSH assay for Immulite® (A), 1028 calibration of assay techniques for thyrotropin: examn. by multivariate analysis (A), 1044 clin. and anal. evaln. of BMD ES 300 immunoassays (A), 1033 comparison of RIA and Abbott IMx results for T₃, T₄, and TSH (A), 1022 computerized method for validating lab. ref. ranges for T₃ and T₄ immunoassays (SN),

ranges for T3 and T4 immunoassays (SN),

digoxin, hCG and TSH on "Affinity", the immunochemistry analyzer of Becton Dickinson (A), 1025

electrochemiluminescence detection for development of immunoassays and DNA

development of immunoassays and DNA probe assays for clin, diagnostics (S), 1534 evaln. of Stratus* II immunoassay system for T_t, thyroid stimulating hormone, and human chorionic gonadotropin (A), 1041 external quality-assessment scheme with a small number of participants: four years of experience with thyroid-related tests in Lenal (SN), 1439

Israel (SN), 1432
FT, measured in dried blood spots from normal, low-birth-weight, and hypothyroid neonates (SN), 2114

high sensitivity ELISA assay for meas. of serum thyroid stimulating hormone (A), 1017 immunochemiluminometric assays based on acridinium labels with a microtiter late luminometer (TB), 472

microparticle enzyme immunoassay and fluorescence polarization for thyroid evaln.

(A), 343 neonatal hypothyroid screening with thyrotropin kit and an overweekend incubation protocol (L), 132 neonatal hypothyroidism screening with immunochemiluminometric assay of

immunocnemiuminometric assay of thyrotropin (TB), 1796 novel IgA antibody to bovine thyrotropin in a healthy man (L), 306 performance evaln. of automated, random access OPUS^{TS} immunoassay system (A), 1037

sensitive, colorimetric enzyme amplification cascade for detn. of alk. phosphatase and appln. to immunoassay of thyrotropin (S), 1513

sensitive, fully mechanized TSH enzyme immunoassay using streptavidin/biotin

technology (A), 1035 simultaneous meas. of thyrotropin receptor stimulating and blocking autoantibodies

using human thyrocyte cultures (A), 938 sudden appearance and subsequent disappearance of interference in immunometric assays of thyrotropin neutralizable with purified mouse IgG (L),

Technicon high sensitivity human thyrotropin

assay: improved adaptation to fully automated Immuno-1^{cs} system (A), 1032 time-resolved immuno-1^{cs} system (A), 1032 time-resolved immunofluorometry of thyrotropin in serum using monoclonal and polyclonal antibody (A), 1047 ultrasapatitus thyrotropin assay in the ultrasensitive thyrotropin assay in the assessment of hyperthyroidism (A), 1068

Thyrotropin-releasing hormone

See Thyroliberin

Thyroxin adaptation of Technicon RA® T₄ immunoassay to Technicon CHEM 1® (A), 981 antibody suitability for two-stage free thyroxin

assay (A), 1044 apparent lack of concordance between free T₄ and TSH detns. (A), 943

appln. of comprehensive protocol for detection and diagnosis of congenital hypothyroidism in Brazil (A), 935

in Brazii (A), 935
automated chemiluminescence immunoassay
test for total thyroxine (A), 942
automated chemiluminescent assay for total T₄
on Immulite[®] (A), 1028
automated solid-phase enzyme immunoassay
for meas, of free T₄ (A), 1039
clin. performance of IMx ultrasensitive
hTSH[®] test (A), 939
comparison of four free T₄ methods with FT₄
by equilibrium dialysis (A), 940
comparison of four methods for free T₄ (SN),
569
comparison of RIA and Abbott IMx results for

comparison of RIA and Abbott IMx results for T_3 , T_4 , and TSH (A), 1022 comparison of Tosoh AIA-1200, Abbott TDx, and Pharmacia Delfia methods for detn. of

serum thyroxine (A), 942 computerized method for validating lab. ref. ranges for T₃ and T₄ immunoassays (SN),

development of two reagent T-uptake EMIT® homogeneous immunoassay for IL Monarch® systems (A), 1030 development of two reagent T₄ EMIT®

development of two reagent 1, EMIT*
homogeneous immunoassay for IL
Monarch® systems (A), 1030
efficacy of Opus® T, and T Uptake assays in
evaluation of thyroid status (A), 938
evaln. of four different incubation protocols of
Pharmacia 'DELFIA' TSH kit for neonatal
hypothyroid screening (A), 987

evaln. of microparticle enzyme immunoassay for free thyroxine (A), 963 evaln. of recombinant human thyroid

evaln. of recombinant human thyroid stimulating hormone for use as calibrator and control in immunoassays (A), 942 evaln. of Stratus[®] II immunoassay system for T₀, thyroid stimulating hormone, and human chorionic gonadotropin (A), 1041 evaln. of Syva ECP thyroxin and T-uptake reagents on the Cobas FARA II (A), 938 evaln. of total T₃ by IMx[®] microparticle enzyme immunoassay (A), 943

evaln. of total T, by IMx[®] microparticle enzyme immunoassay (A), 943 falsely high free T₄, normal total T, low T₃RU with antibodies to T, and thyroid microsomes in hypothyroid child: diagnostic dilemma (A), 933 free thyroxine index on Technicon RA[®] systems based on Technicon T4 and Cedia[®] T Uptake assays (A), 1032 T Uptake assays (A), 1032 T, measured in dried blood spots from normal, low-birth-weight, and hypothyroid neonates (SN), 2114

neonates (SN), 2114 further studies on thyroxin-binding globulin-

further studies on thyroxin-binding globulin-dependence in equilibrium dialysis assays of free T₄ (L), 128 high sensitivity ELISA assay for meas. of serum thyroid stimulating hormone (A), 1017 hyperthyroidism with normal values for total T₄ in serum (TB), 1120 imprecision of Stratus immunoassay system for FT₄ (L), 769 meas. of total thyroxine in serum or plasma by thin film environments of the control of the control

thin-film enzyme immunoassay (A), 1034 microparticle enzyme immunoassay and fluorescence polarization for thyroid evaln (A), 943

performance and clin. reliability of Amerlite[®] FT₄-MAB assay (A), 936 performance of Microgenics Cedia[®] T₄ MAb

performance of microgenics Cenia" 1, Man and Tuptake assays on the Coulter Electronics' Optichem (A), 944 performance of revised thyroxine and thyronine uptake methods on the Du Pont aca® discrete clinical analyzer (A), 936

aca® discrete clinical analyzer (A), 936 plasma as sample type for thyroid assays on Beckman Synchron CX®4/5 (A), 934 possible bias in enzymun thyroxine assay on Boehringer M_nnheim ES 300 (A), 1025 Technicon® free thyroxine assay: fully automated direct immunoassay for detn. of free thyroxine in human serum (A), 1032 time course of pH regulation in FT, detns. in serum (L), 1298

turbidimetric T uptake assay for Technicon RA® systems (A), 1047

within-subject variation of T_4 and T_3 concns. in serum (L), 772

Thyroxin-binding globulin

further studies on thyroxin-binding globulin-dependence in equilibrium dialysis assays of free T, (L), 128

Tissue analysis

direct calibration for detg. Al in bone and soft tissues by graphite furnace AAS (SN), 461

direct HPLC method for quantn. of hydroxy free radicals using phenyl-N-butyl nitrone spin trap in biological tissue and blood (A),

Tissue factor

development of human recombinant tissue factor-based prothrombin time reagent (A),

modified whole blood recalcification time monitors subclinical hypercoagulability (A), 952

Tobramycin

development of PETINIA technology-based tobramycin assay and application on the Du Pont Dimension® clin. chem. system (A),

development of two reagent tobramycin homogeneous EMIT® immunoassay for IL Monarch® systems (A), 1030

Tocainide

automated sample preparation and simultaneous analysis of four cardioactive drugs in serum (A), 1016

Tocopherol succinate
thiol status of isolated rat hepatocytes
protected from cadmium toxicity by
alphatocopherol succinate (A), 1068

Toluenediamine

otheretramme detection of toluenediamines in urine of a patient with polyurethane-covered breast implants (CR), 756 urinary excretion of free toluenediamines in patient with polyurethane-covered breast implants (CR), 2143

Tonometry

consistency of the algorithm for p_{0_2} correction in blood-gas analysis (TB), 292 influence of type of tonometry and sample presentation on corrected p_{0_2} value (A), 946 quality control of pH and blood gases: comparison of tonometered blood to different control materials (A), 958

Topoisomerase topoisomerase II: critical target in cytocidal action of anticancer drugs (A), 908 Total iron-binding capacity See Iron-binding capacity

Toxicology

See also Drug assay, Forensic medicine,

Screening detection of toluenediamines in urine of a patient with polyurethane-covered breast implants (CR), 756

detection, confirmation, and quantn. of benzodiazepines in serum by liquid chromatog, with photodiode-array detection (SN) 701

detn. of Ag in blood, urine, and tissues of volunteers and burn patients, 1683 efficient extraction of basic, neutral, and weakly acidic drugs from plasma for anal. by GC-MS (SN), 1975 emergency toxicol. testing (detection,

confirmation, and quanth.) of basic drugs in serum by liquid chromatog. with photodiode array detection (SN), 2124 enzymatic method for meas. ethylene glycol with a centrif. analyzer (SN), 1734

erythrocyte protoporphyrin screening test for low Pb exposure in children: impact of lowering the B-Pb action threshold, 216 eukaryotic cDNA expression vectors in drug metabolism studies (A), 1099

excess serum osmolality after ingestion of methanol: exception, not the rule (L), 1802 high-resolution 2-D electrophoresis in studies

nigh-resolution 2-D electrophoresis in studies of liver toxicol. (A), 1096 improved sample preph. for accurate deth. of low concns. of Pb in whole blood by graphite furnace analysis, 515 lead paint primer: impact of new federal law on residences (A), 1103 massive overdoses with sustained-release Liscon versons a phenomerchical model.

Li₂CO₃ prepns.: pharmacokinetic model based on two case studies, 1205 multielement anal. of biol. samples by

inductively coupled plasma-mass spectrometry. II. rapid survey method for profiling trace elements in body fluids, 210 perfluoro-n-decanoic acid toxicity in rat liver:

2-D electrophoretic anal. (A), 1096 risk assessment, management and communication of drinking water

contamination (A), 1104 simple, sensitive meas. of CO in plasma (SN), 1442

thiol status of isolated rat hepatocytes thiol status of isolated rat hepatocytes protected from cadmium toxicity by alphatocopherol succinate (A), 1068 total As in urine: Pd-persulfate vs Ni as a matrix modifier for graphite furnace AAS, 1575 toxic response teams (A), 1104

urinary excretion of free toluenediamines in patient with polyurethane-covered breast implants (CR), 2143

implants (CRI, 2143 use of response surface models to optimize EMIT* method precision on Du Pont aca* discrete clinical analyzer (A), 1011 waste incineration: pro and con (A), 1103 2,3-butanediol in plasma from an alcoholic mistakenly identified as ethylene glycol by gas chromatog. (CR), 1453

Toxoplasmosis

oxopiasmosis adenosine deaminase increased in serum in toxoplasmosis (L), 2021 clinical evaln. of an anti-Toxoplasma gondii/IgG ELISA using single-point quant.

gorauti Agg Elisa using single-point quant. procedure (A), 1045 isocratic reversed-phase HPLC method to meas, pyrimethamine extd. from plasma of infants treated for toxoplasmosis (SN), 1281

Trace elements

See also specific element of interest blood-collection device for trace and ultra-trace metal specimens evaluated (SN), 709 effects of germanium health supplements in

rat (A), 985
factors affecting detns. of Mg in serum by
atomic absorption spectrometry (SN), 723
mineral needs of the lactating mother and her infant (A), 1105 multielement anal. of biol. samples by

inductively coupled plasma-mass spectrometry. It rapid survey method for profiling trace elements in body fluids, 210 ²¹P NMR and zero-point titration compared for measuring free Mg concn. in erythrocytes,

trace metal anal. in blood by inductively coupled plasma mass spectrometry: appln. to lead (A), 987

Transferrin

albumin, transferrin, prealbumin, and retinol-binding protein: markers for nutritional status in total parenteral nutrition patients

carbohydrate-deficient transferrin in serum: new marker of potentially harmful alcohol consumption reviewed (R), 2029 Fe, transferrin, and ferritin in CSF of children

(SN), 263

Transthyretin See also Prealbumin

potential problem with standardization of prealbumin (transthyretin) results in immunoturbidimetry (L), 588

Trauma detn. of Ag in blood, urine, and tissues of volunteers and burn patients, 1683

Triacylglycerols See Triglycerides
Tricyclic antidepressants

See also Antidepressants development of TDx assays for analysis of amitriptyline and nortripyline in patient serum/plasma (A), 1006 fluoxetine (Prozac®) interference in CN

column liquid-chromatog. assays of tricyclic antidepressants and metabolites (L), 1304

Triglycerides

abnormal concns. of CII, CIII, and E abnormal conens. of CII, CIII, and E apolipoproteins among apolipoprotein B-containing, B-free, and A-I-containing lipoprotein particles in hemodialysis patients, 387 alterations of serum lipids in breast cancer: effects of disease acty., treatment, and hormonal factors, 2193 calcn. of high density lipoprotein cholesterol from total cholesterol, triglycerides, and apolipoproteins A-1 and B (A), 928 comparison of Dupont analyst and aca for analysis of cholesterol, triglyceride and

analysis of cholesterol, triglyceride and HDL-cholesterol (A), 928 do enzymatic anal. of serum triglycerides really need blanking for free glycerol? (L),

1301 do enzymatic analyses of serum triglycerides really need blanking for free glycerol? (L),

effect of plasma triglyceride concns. on accuracy of immunoturbidimetry of apolipoprotein B (SN), 748

effect of wt. loss on serum lipoprotein(a) concns. in obese population, 1191 evaln. of Boehringer Mannheim Corp.
Triglycerides-GB method on the BMC/Hitachi 736 analyzer (A), 924 evaln. of new Roche reagent for meas. triglycerides in serum or plasma (A), 923 glycerol-blanked triglycerides applications to BM/Hitachi 717, 736, 737 and 747 analyzers (A), 929

(A), 922 importance of glycerol blanking in triglyceride assay and LDL cholesterol—calculation for normal and patient specimens (A), 934 lack of effect of acute alcohol ingestion on plasma lipids (TB), 1649 normal HDL and HDL_x cholesterol in female patients on high flux hemodialysis (A), 922 quantn, of LDL Cholesterol on paramax using

quantn. of LDL choiesteroi on paramax using genzyme pptn. reagent (A), 925 quantn. of plasma lipoproteins by 'H NMR spectroscopy, 377 relationships between 'H NMR properties of plasma lipoproteins and cancer, 369

rum index identifies lipemic samples causing interference with bilirubin assay on Hitachi 717 (L), 2014

Triiodothyronine

appln. of comprehensive protocol for detection and diagnosis of congenital hypothyroidism in Brazil (A), 935 automated assay for total T₃ on the IMX* system using soluble reagents and polyelectrolyte interaction as separation means (A), 1048
automated chemiluminescence immunoassay

automated chemiuminescence immunoassay test for T-uptake (A), 941 automated chemiluminescent assay for total T_3 on Immulite® (A), 1021 automated chemiluminescent immunoassay test for total triodothyronine (A), 941 Cedia® Total T_3 , an automated homogeneous enzyme immunoassay for serum total T_3 (A), 936

936
chemiluminescent T₂-uptake assay for use on Immulite⁶⁰⁰ (A), 1049
comparison of RIA and Abbott IMx results for T₂, T₄, and TSH (A), 1022
computerized method for validating lab. ref. ranges for T3 and T4 immunoassays (SN),

development of enhanced luminescence "labelled antibody" immunoassay for free T₃

(A), 943
development of fully automated enzyme immunoassay for detn. of free T, and application to ES 300 and ES 600 (A), 1047
development of total triiodothyronine enzyme immunoassay in microtiter format (A), 1040
evaln. of Microgenics Cedia* T, assay on Roche Cobas MIRA* chem. analyzer (A), 1032
evaln. of total T, by IMX** microparticle enzyme immunoassay (A), 943
falsely high free T, normal total T, low T,RU with antibodies to T, and thyroid microsomes in hypothyroid child: diagnostic dilemma (A), 933
free T, concns. as measured by two one-step

RIAs in nonthyroidal illness (SN), 115 furosemide as displacing agent in assay of total T₃ (L), 587

T₃(L), 587 interference in assay of free T₃ by T₃-binding antibodies (L), 2150 performance of Cedia® total T₃ assay on Roche Cobas FARA® (A), 944 plasma as sample type for thyroid assays on Beckman Synchron CX®4/5 (A), 934

rapid self-contained immunoassay for total T3 (A), 940

total T3 meas. in serum by time-resolved fluorescence immunoassay (A), 1029 within-subject variation of T₄ and T₃ concns. in serum (L), 772 **Trophoblastic disease**

simple enzyme immunoassay for simultaneous meas. of whole choriogonadotropin molecules and free β-subunits in sera of women with abnormal pregnancies or tumors of the reproductive system, 673

Troponin T

analytical performance of troponin-T ELISA on ES 600 analyzer (A), 1027 cardiac troponin T in diagnosis of acute myocardial infarction, 845

early detection of acute myocardial infarction
(A), 1100

S-troponin T in suspected ischemic myocardial injury compared with mass and catalytic concns. of S-CK-MB (SN), 1405

Tumor markers biochemical markers in bronchial lavage fluid of lung cancer patients (A), 1053
CA 125 in serum and ascitic fluid of patients with liver diseases, 1379

with fiver diseases, 1679 carcinoembryonic antigen in serum of patients with colorectal polyps: correlation with histology and smoking status, 651 cathepsin D conen. in breast cancer cytosols:

correlation with biochem., histol., and clin. findings (SN), 101

chemiluminescence immunoassay for CA15-3, CA125, CA19-9: evaln. using quality-control sera assayed in interlaboratory survey (A), clinical evaln. of IMx® CA 125, automated

clinical evain. of IMX* CA 125, automated microparticle enzyme immunoassay for cancer antigen CA 125 (A), 1057 clinical utility of hybri-cmark in signaling recurrence of colorectal cancer (A), 1057 comparative studies of Abbott IMX* and RIA CA 125 assays: dilution linearity, precision, and sensitivity (A), 1051

evaln. and comparison of mucin breast cancer assays (A), 1053

assays (A), 1053
evaln. of immunoradiometric assay for quantn.
of mammary tumor associated antigen (CA
549) (A), 1056
hyaluronic acid in end-stage renal failure
treated by haemodialysis (A), 944

isoforms of mucin glycoprotein CA M26 in sera of patients with breast cancer: comparison with CA 15-3, CA 549, CA M29, and CK BB (A), 1051

of CEA caused by nonspecific cross-reacting antigen 2 (SN), 1736

anugen 2 (SN), 1736
meas, of prostate-specific antigen and prostatic
acid phosphatase concns. in serum before
and 1–42 days after transurethral resection
of the prostate and orchidectomy, 859
molecular nature and possible presence of
membranous GPI/anchor of CA125 antigen

(A), 1053

(A), 1053 neuron-specific enolase concns. in serum in benign liver diseases (SN), 579 novel method for quantg. a(1-3)-L-fucosyltransferase acty. in serum, 2081

novel NSE assay in TR-IFMA format (A), 1054 plasma protein-bound sialic acid in patients with colorectal polyps of known histology,

prospective evaln. of CA-549 and CEA in monitoring of breast cancer patients (A),

prostate-specific antigen in serum occurs predominantly in complex with α_l -antichymotrypsin, 1618 rapid, sensitive chemiluminescent enzyme

immunoassay for meas. tumor markers 1639

1639
results of multicentre collaborative study for analytical evaln. of tumor markers immunoassay (A), 1052 stable mixture of tumor marker proteins in human serum matrix (A), 1053

urinary fibronectin fragments (a potential tumor marker) measured by immunoenzymometric assay with domain-specific monoclonal antibodies (SN), 466

urinary gonadotropin peptide as potential marker for ovarian cancer management (A), 1056

Tumor necrosis factor alterations of serum lipids in breast cancer: effects of disease acty., treatment, and

hormonal factors, 2193 Tumor suppressor genes

mol. basis of cancer suppression by human tumor suppressor genes (A), 600

Turbidimetric immunoassay quant. meas. of urinary human albumin in diabetic patients by turbidimetric immunoassay (A), 1061 stabilization of turbidimetric immunoassay by covalent coupling of antibody to latex particles (SN), 1248

Turbidimetry
See also Nephelometry
application of turbidimetric apolipoproteins
A-1 and B assays to the 550 Express
analyzer (A), 924

analyzer (A), 924 detr. of serum lipase activity by turbidimetric method using colipase (A), 910 free thyroxine index on Technicon RA® systems based on Technicon T4 and cedia® T Uptake assays (A), 1032

improved assay for serum lipase on Du Pont aca® discrete clinical analyzer through colipase activation (A), 910
particle-enhanced turbidimetric immunoassay

of sex-hormone-binding globulin in serum,

turbidimetric T uptake assay for Technicon RA® systems (A), 1047

effects of maternal diabetes, twins, and amniotic fluid contaminants on Abbott TDX® FLM assay (A), 922

Two-dimensional centrifugation See Centrifugation, two-dimensional Two-dimensional electrophoresis See Electrophoresis, two-dimensional

T₃ See Triiodothyronine

See Thyroxin

Ultracentrifugation comparison of pptn. methods with vertical autoprofile procedure for HDL cholesterol meas. (A), 923

meas. (A), 923
evaln. of LDL cholesterol levels obtained using precipitation reagent (A), 919
evaln. of LDL cholesterol meas. using a pptn.

assay (A), 927 heterozygous hypobetalipoproteinemia with fasting chylomicronemia (CR), 296 in vitro solubilization of aortic unesterified

in vitro solubilization of aortic unesterined cholesterol-rich lipid particles by high-density lipoproteins (A), 921 pptn. with PEC and density-gradient ultracentrifugation compared for detg. HDL subclasses HDL2 and HDL3 (SN), 238 rapid isolation of intermediate-density

ipoprotein from serum of patients with type III hyperlipoproteinemia by density gradient ultracentrifugation (A), 921 role of lipoproteins in transport of

role of apoprovenis in transport of immunosuppressive agents (A), 924 single-spin density-gradient ultracentrif, vs gradient gel electrophoresis for detecting LDL heterogeneity, 853 size modn. of hepatic endosomal lipoproteins incubated in vitro (A), 925

Ultrafiltration

characterization of 3-carboxy-4-methyl-5-propyl-2-furanpropionic acid in plasma from patients with chronic renal failure (A), 945 digoxin-like immunoreactivity in serum from neonates and infants reduced by centrif. ultrafiltration and fluorescence polarization

immunoassay (SN), 94

imminossay (SN), 94
meas. free desipramine in serum by
ultrafiltration with immunoassay (A), 1016
ultrafiltrate of saliva collected in situ as a biol.
sample for diagnostic evaluation (SN), 114
ultrafiltration of serum to eliminate bilirubin
interference in kinetic Jaffé detn. of

creatinine (TB), 2010 Urate defects in diagnostic kits for detg. urate in serum (SN), 879 evaln. of eight urine assays on Ciba Corning

550 Express (A), 954
evaln. of urine anylase, phosphorus, uric acid,
and urea N on Beckman Synchron CX* 4/5
clin. system (A), 971
stable uric acid std. solution with glycerol, not
formaldehyde (L), 1138

colorimetric reagent for assay of urea (L), 1804 evaln. of eight urine assays on Ciba Corning 550 Express (A), 964

Urea nitrogen evaln. of urine amylase, phosphorus, uric acid, and urea N on Beckman Synchron CX* 4/5

clin. system (A), 971
performance characteristics of Beckman
Synchron CX®7 clinical system for detn. of Na, K, chloride, CO₂, urea nitrogen, glucose, Ca, and creatinine (A), 974

abnormal concns. of CII, CIII, and E apolipoproteins among apolipoprotein B-containing, B-free, and A-I-containing lipo-protein particles in hemodialysis patients, 387

accumulation of quinolinic acid in uremic serum and its removal by hemodialysis, 159 elimination of interference from indican in 2,5-DCPD method for total bilirubin by multipoint kinetic analysis (A), 948

Urinalysis

investigation of urinary crysals by Fourier transform infrared microscopy (SN), 83 new look at the role of urinalysis in the history of diagnostic med. (H), 119

new look at the role of urinalysis in the history

of diagnostic med. (SM), 119

role of the lab. in evaln. of kidney function (R), 785

should urinalysis lab. take into account the prevalence of pathological findings in petitioner service? (A), 954 urinalysis in the 10th century (L), 1660 urinalysis with Abbott EPx Spectrum analyzer

See also specific analyte of interest

Urinalysis

κ/λ index for confirming urinary free light chain in amyloidosis AL and other plasma cell dyscrasias (CR), 1122

above-normal urinary excretion of retinol-binding protein and albumin in Albustixneg. hypertensive patients (TB), 1446
Abuscreen® Online® immunoassay for
cannabinoids in urine on Cobas FARA® II

analyzer (A), 1007 Abuscreen® Online® immunoassay for cannabinoids in urine on Hitachi 717

automated analyzer (A), 1011 Abuscreen® Online® immunoassay for cocaine metabolite in urine on Cobas FARA® II analyzer (A), 1006

Abuscreen® Online® immunoassay for detection of amphetamine in urine on Cobas MIRA® automated analyzer (A), 995

Abuscreen Online® immunoassay for detection of benzodiazepines in urine on Cobas MIRA (A), 995

Abuscreen® Online® immunoassay for detection of benzoylecgonine in urine on Cobas MIRA® (A), 996 Abuscreen® Online® immunoassay for

detection of opiates in urine on Cobas MIRA* (A), 996
Abuscreen® Online® immunoassay for

detection of phencyclidine in urine on Cobas MIRA* (A), 996 Abuscreen* Online® immunoassay for

Abuscreen® Online® immunoassay for detection of THC metabolites in urine on Cobas MIRA® (A), 1003

Abuscreen® Online® immunoassay for methamphetamine in urine on Cobas MIRA® automated analyzer (A), 1007

Abuscreen® Online® immunoscore for coline® immunoscore for coline f

Abuscreen® Online® immunoassay for opiates in urine on Cobas FARA® II analyzer (A),

Abuscreen® Online® immunoassay for opiates in urine on Hitachi 717 automated analyzer (A), 1006

(A), 1006
Abuscreen® Online® immunoassay for opiates
in urine on the Olympus AU 5121 and 5131
automated analyzers (A), 1000
Abuscreen® Online® immunoassay for THC
metabolites in urine on Olympus AU 5121
and 5131 automated analyzers (A), 1017

accuracy, precision, and interferences of 3 modified EMITTM procedures for detg, serum phenobarbital, urine morphine, and urine cocaine metabolite with a Cobas-Fara TM

advances in catecholamine and metabolite measurements for diagnosis of pheochromocytoma (S), 1854 age- and sex-related differences in urinary

excretion of norepinephrine, epinephrine, and dopamine in adults (SN), 875 albuminuria and diabetic nephropathy: an

evolving story (E), 2027 evolving story (E), 2027 albuminuria vs urinary total protein for detecting chronic renal disorders (W), 621 anal. for commonly abused drugs in urine at selected threshold ("cutoff") concns. (L),

analytical performance of SYVA EMIT urine drug of abuse assays on Chem1 (A), 997

ascorbic acid interferes with automated urinary I⁻ detn. based on ceric-arsenious acid reaction (TB), 759 automated procedure for urine pH

measurement (A), 998 borderline increases in albumin excretion rate and the relation to glycemic control in subjects with type I diabetes, 2048

capillary electrophoresis-new clin. tool (R),

catecholamine sulfates as internal stds. in HPLC detns. of sulfoconjugated catecholamines in plasma and urine, 196 comparison of Abbott fluorescence polarization immunoassay and Roche RIA for analysis of benzoylecgonine in urine (A), 1008 comparison of one- and two-step ELISA tests for

assay of fentanyl in human urine (A), 1014 concn. and two-dimensional electrophoretic analysis of unprocessed human urinary proteins (A), 1063

concn. of urinary hydroxyproline/creatinine, and Ca/creatinine in normal and osteoporotic women in early postmenapousal period (A), 937 cost-based comparison of semiquantitative

cost-based comparison of semiquantitative screens of fetal and maternal urine for drugs of abuse (A), 1014 dear Dr. (Bence) Jones . . . (E), 1557 demonstration of urine matrix effect on EMIT® d.a.u. cannabinoids assay (A), 991

detection of amphetamine and methamphetamine in urine samples using microtiterplate competitive enzyme immunoassay (A), 1012 detection of HIV-1 antibodies in urine by

detection of 1114-1 antibodies in urine by enzyme immunoassay (A), 1021 detection of propoxyphene in human urine by use of TDx**ADx** fluorescence polarization immunoassay (A), 1011 detn. of Ag in blood, urine, and tissues of control of the property of t

volunteers and burn patients, 1683 detn. of amphetamine, methamphetamine, and

deth. of amphetamine, and other sympathomimetic amines in urine by gas chromatog./mass spectrometry (A), 1001 deth. of cobalt in urine by gas chromatog, mass spectrometry using nickel as internal standard (A), 983 deth. of greatings in corum and using by

detn. of creatinine in serum and urine by

detn. of creatinine in serum and urine by cation-exchange HPLC (SN), 563 detn. of detection limits of EMIT drugs of abuse with Technicon CHEM 1 analyser (A), 1001 detn. of urinary/CSF protein using Boehringer Mannheim/Hitachi analyzers (A), 1063 development of diluted Syva EMIT[®] D.A.U. testing procedures for the Olympus® Reply (A) 1008

development of qualitative assay by GC/MS for 6-monoacetylmorphine in urine (A), 997 development of TDx*/ADx* fluorescence polarization immunoassay for detection of

cotinine in human urine (A), 1002 development of urinary phencyclidine assay for Du Pont aca® discrete clin. analyzer (A), 1004

diagnostic and genetic studies in 43 patients with classic cystinuria, 68 dipstick for rapid, simple detection of N-acetyl-

β-D-glucosaminidase in urine (A), 911 drug anal. at the 1988 Olympic Winter Games in Calgary (SR), 1289 asier enzymatic detn. of guanidinoacetic acid

in urine (L), 478 effect of experimental ascorbate depletion on

effect of experimental ascorbate depletion on plasma and urinary carnitine levels in healthy men (A), 984 effects of storage time and temp. on urinary enzymes (SN), 1436 elim. of matrix and spectral interferences in meas. of Pb and Cd. in urine and blood by electrothermal AAS with D₂ background correction, 1583 correction, 1583 EMIT® II benzodiazepine two-reagent assay for

detection of benzodiazepine in urine on high volume analyzers (A), 999

EMIT® II cannabinoid assays, a two-reagen system for detection of cannabinoids in

urine (A), 1005 EMIT® II phencyclidine two-reagent assay for detection of phencyclidine in urine on high volume chemistry analyzers (A), 1011 enzymatic digestion, solid-phase extn., and GC/MS of derivatized intact oxazepam in

urine, 1595 enzyme immunoassay for detn. of cotinine in

urine or serum (A), 1035

urine or serum (A), 1035
evaln. of Biotrol urine (CSF) protein reagent
on IL Monarch (A), 963
evaln. of Boehringer Mannheim Hitachi 717
analyzer for drugs of abuse and comparison
of results with Monarch 2000*26 (A), 1016
evaln. of eight urine assays on Ciba Corning

evaln. of eight wrine assays on the Corning 550 Express (A), 964 evaln. of full-scanning chemical ionization method for GC/MS analysis of amphetamines in urine (A), 1000 evaln. of rapid visual immunoasay for opiates in urine (A), 1010

evaln. of urine amylase, phosphorus, uric acid, and urea N on Beckman Synchron CX® 4/5 clin. system (A), 971

evaln. of urine Na and K on the BM/Hitachi 747 (A), 968

excretion of β_2 -glycoprotein I (apolipoprotein H) in renal tubular disease, 74

failure of β-glucuronidases to hydrolyze exogenous morphine glucuronide (TB), 759 five treatments evald. for elimination of ascorbate interference in enzymatic detn. of urinary oxalate (SN), 864

fluorescein interference with urinary creatinine and protein measurements (L).

GC/MS assay for multiple drugs of abuse in urine using single cation exchange solid-phase extraction cartridge (A), 1013 immobilisation of barley oxalate oxidase onto alkylamine glass for detn. of urinary oxalate

immunonephelometric assay of α,-microglobulin in urine (A), 1064 importance of creatinine analyses of urine when screening for abused drugs, 1927 importance of lowering the cut-off

concentrations for urine screening and confirmatory tests for

benzoylecgonine/cocaine (A), 993 improved amplification of cytomegalovirus DNA from urine after purification of DNA with glass beads, 1945 inclusion of proteins into Ca oxalate crystals

pptd. from urine: a highly selective phenomenon, 1589 interference by ritodrine in GC/MS

confirmation of

delta-9-tetrahydrocannabinol-9-carboxylic acid in urine (L), 1305 interference in GC/MS confirmation of

delta-9-tetrahydrocannabinol-9-carboxylic acid by a secondary tetrahydrocannabinol metabolite (L), 1307

metabolite (L.), 1307 interlaboratory comparison of measurements of albumin in urine, 191 investigation of possible interference by ibuprofen and naproxen patient samples with EMIT* d.a.u.**@assays for amphetamine, barbiturate, benzodiazepines, and cannabinoid (A), 1009

ion-chromatographic detn. of L-tartrate in urine samples (SN), 90 isopropylidine maltoheptosyl fructofuranoside,

doubly blocked substrate for detn. of endoamylase acty., 1323 isotope dilution mass spectrometry detn. of platinum in biological fluids of cancer

patient (A), 993

patient (A), 993
"ladder light chain" or "pseudo-oligoclonal"
distinctive pattern in urinary immunofixation electrophoresis studies: explanatory hypothesis relating to free polyclonal light chains, 1559

iquid-chromatog, detn. of nicotine and cotinine in urine from passive smokers: comparison with gas chromatog, with N-specific detector (SN), 1276

N-specific actector (SN, 1276) meas. of β-hydroxybutyrate in urine on Hitachi 705 (A), 947 meas. of porphobilinogen in urine by simple resin method with a surrogate std. (SN),

meas. of urinary tobacco markers in a

smoking-cessation program (L), 1655 measuring urinary albumin: precision, substances that may interfere, and conditions for sample storage (SN), 2120 measuring urinary IgG and IgG₄ excretion (L),

modified enzyme-based colorimetric assay of urinary and plasma oxalate with improved sensitivity and no ascorbate interference: ref. values and sample-handling procedures (SN), 1229

(SN), 1229
more on effects of storage time and temp. on
measurement of small concns. of albumin in
urine (L), 591
multicenter evaln. of kinetic assay for detn. of
N-acetyl-β-D-glucosaminidase in urine (A),

multicentre evaln. of sensitive urinary albumin method in eight laboratories (A),

new chemical method for analysis of propylthiouracil in urine (A), 1013 novel solid-phase assay of ketone bodies in urine, 1565

performance of enzymatic reagent for chloride detn. in serum and urine (A), 968

performance of full-scanning ion-trap gas performance of full-scanning ion-trap gas chromatog, /mass spectrometry for drugs of abuse in urine (A), 995 possible explanation for decrease in albumin in stored urine samples (L), 2013 quanta. of amphetamine and

methamphetamine in human urine by GC/IR/MS (A), 1004

quantn. of urinary albumin on Kallestad OM300 (A), 974

OM300 (A), 974
raised 24-h urinary excretion of digitalis-like
factor in type 1 diabetics: linkage with
hypertension? (A), 941
rapid, specific enzyme immunoassay of
serotonin, 1178

servicinii, 1176 relationship of serum estradiol and progesterone concns. to excretion profiles of their major urinary metabolites as meas. by enzyme immunoassay and RIA, 838

enzyme immunoassay and KIA, 838 restricted electrophoretic heterogeneity of Ig light chain in urine: a cause for confusion with Bence Jones protein, 1570 sensitive, selective, and rapid procedure for quantz. cocaine in urine (L), 2152 restifities receif in immunochemistric protein and procedure for procedure for procedure for quantz.

quaing, cocaine in urine (1), 2152 sensitive, specific immunochemiluminometric assay for luteinizing hormone in serum and urine (A), 1038 sequential measurements of urinary albumin in recipients of renal allografts (TB), 472 simple, optimized liquid-chromatog, method

for total hydroxyproline in urine evaluated

(SN), 285 simple, quant. enzymic assay of galactose in urine (L), 2021

urine (L), 2022; slide latex assay for rapid semi-quantn. of urinary retinol binding protein (A), 1064 stability of phencyclidine and amphetamines in urine (TB), 2141

in urine (18), 2141 steroid characteristics of mineralocorticoid adrenocortical hypertension (S), 1843 techniques used to detect drugs of abuse in urine: study based on external quality

urine: study based on external quanty assessment (SN), 442 thromboxane B₂ in diagnosis of renal transplant rejection (L), 2157 total As in urine: Pd-persulfate vs Ni as a matrix modifier for graphite furnace AAS,

urinary and plasma iron and copper in acute heatstroke victims pre- and post-treatment

(A), 986
urinary excretion of free toluenediamines in
patient with polyurethane-covered breast
implants (CR), 2143
urinary excretion of glycated protein detd.
with a specific RIA, 504
urinary fibronectin fragments (a potential

tumor marker) measured by immunoenzymometric assay with domain-specific monoclonal antibodies (SN), 466 urinary neopterin in patients with systemic

lupus erythematosus, 47
urinary NO₂/NO₃: marker for renal allograft
rejection? (L), 1303
urine and serum pregnancy tests compared

(L), 302
4-hydroxycyclohexanecarboxylic acid: rare compound in urinary organic acids anal. (L), 1301

5-L-oxoprolinuria and glycine sufficiency (L), 1660

Urolithiasis See Calculous disease

Uroscopy
new look at the role of urinalysis in the history
of diagnostic med. (H), 119
new look at the role of urinalysis in the history of diagnostic med. (SM), 119

Valproic acid rate nephelometric biotin-avidin immunoassay for valproic acid on Beckman Array® 360 (A), 1026

Vancomycin cross-reactivity of vancomycin degradation product in 3 immunoassays of vancomycin (TB), 2009

differences in vancomycin levels detn. by Syva EMIT and Abbott TDx immunoassays on adult and pediatric specimens (A), 991

Variation, source of

ariation, source of
See also Analytical error
ambulatory blood pressure monitoring in clin.
practice (S), 1880
apparent stability of aminotransferases:
influence of anal. method (L), 131
ascorbic acid interferes with automated
urinary I deth. based on ceric-arsenious
acid reaction (TB), 759

assay of pseudocholinesterase on Dimensions® clin. chem. system (A), 913

cin. chem. system (A), 913
assessment of split-sample proficiency testing
for cholesterol by use of a computer
simulation model, 497
automated detn. of CK acty. in serum with use
of thermostable glucokinase (SN), 452

biol. variability of superoxide dismutase, glutathione peroxidase, and catalase in blood, 1932

biol. variation of urinary Mg (TB), 1794 blood-collection device for trace and ultra-trace metal specimens evaluated (SN), 709 body mass index and liver enzyme acty. in serum (SN), 720

serum (SN), 720 cholesterol matrix effects in fresh non-frozen and frozen serum pools (A), 920 comparison of four methods for free T_4 (SN),

comparison of plastic vs. glass serum separator—blood drawing tubes: meas. of clin. chem. parameters (A), 976 comparisons between serum and plasma: analytes measured on the Baxter Paramax

(A), 967 computerized method for validating lab. ref. ranges for T₃ and T₄ immunoassays (SN),

correlation between fasting and glucagon-stimulated plasma C-peptide values in diabetes mellitus (A), 1069

cross-reactivity of vancomycin degradation product in 3 immunoassays of vancomycin (TB), 2009

demonstration of urine matrix effect on EMIT® d.a.u. cannabinoids assay (A), 991 development of new thin-film Na ion selective electrode with improved specificity (A), 946

digoxin-like immunoreactivity in saliva and plasma of pregnant women (L), 135 digoxin-like immunoreactivity in serum from neonates and infants reduced by centrif.

ultrafiltration and fluorescence polarization immunoassay (SN), 94 discrepancies in Na results between the Kodak

discrepancies in Na resuits between the Kodak Ektachem 700 and Beckman CX3 or Radiometer KNA analyzers (A), 931 displacement of phenytoin from serum protein carriers by antibiotics: studies with certriaxone, nafcillin, and sulfamethoxazole

(SN), 98

(SN), 98
drug screening with EMIT reagents: quant.
approach to quality control (SN), 733
dry electrolyte-balanced heparinized syringes
evaluated for detg. Ca* and other
electrolytes in whole blood (SN), 1730
effect of diluent vol. on detns. of enzyme actys.
with the Cobas-Bio analyzer (TB), 2011
effect of elevated bile acid levels on digoxin

measurements using immunoassays (A), 1006

effect of protein concn. on formation of glycated albumin and fructosamine (TB), 2138

effect of storage time on peptic acty. in gastric biopsies (L), 1658 effect of surfactant on cholesterol esterase in

enzymatic detn. of cholesterol (A), 928 effect of wt. loss on serum lipoprotein(a)

concns. in obese population, 1191
effects of hemolysis, icterus, and lipemia on
automated immunoassays (L), 1134 effects of storage time and temp. on urinary enzymes (SN), 1436

enzymes (SN), 1436
elim. of matrix and spectral interferences in
meas. of Pb and Cd. in urine and blood by
electrothermal AAS with D₂ background
correction, 1583
eliminating undesired cross-reactants by using
mixtures of antibodies: exptl. and theoretical
evalus. of hapten RIAs, 394
ensuring absence of false negative results on

ensuring absence of false negative results on GC/MS assay for 11-nor-delta-9-tetrahydrocannabinol due to ibuprofen interference (A), 1008 ensuring absence of false negative results on

GC/MS assay for 11-nor-delta-9-tetrahydrocannabinol due to ibuprofen interference (A), 1008 estimating performance characteristics of qual.-control procedures when error persists until detection, 1720

valn. of amylase on CHEM-14 rotor for Dupont analyst® (A), 980 ccess serum osmolality after ingestion of methanol: exception, not the rule (L), 1802 factors influencing accuracy of Natl. Ref. System Ref. Method for total cholesterol, 2053

2053 free and bound malondialdehyde measured as thiobarbituric acid adduct by HPLC in serum and plasma (SN), 1423 Fructosamine Test-Plus, modified fructosamine assay evaluated (SN), 552

fructosamine assay evaluated (SIV), 902 heterogeneity among hypertensive subjects: a tool for clin. decision-making (S), 1885 higher substrate specificities to phosphorylcholine and phosphorylethanolamine for human intestinal ALP found in weak alk. pH (A), 917

917
human anti-murine antibody interference in
measurement of CEA assessed with a
double-antibody enzyme immunoasasa, 51
lgo removal from serum using Isolab QuikSep® IgM rProtein G affinity method prior

to assaying for pathogen-specific IgM (A),

immobilisation of barley oxalate oxidase onto alkylamine glass for detn. of urinary oxalate immunoassay standardization and

interference reduction (A), 1096 immunochemiluminometric and immunoradiometric detns. of intact and immunoradiometric detns. of intact and total immunoreactive parathyrin: performance in the differential diagnosis of hypercalcemia and hypoparathyroidism, 162 importance of creatinine analyses of urine when screening for abused drugs, 1927 in vitro and in vivo effects of hypertonic saline/Dextran-70 on protein detns. in serum or plasma (L), 1801 individual differences in lutropin immunoreactivity revealed by monoclonal antibodies, 333 influence of assay method differences on

antibodies, 333 influence of assay method differences on multiple of the median distributions: maternal serum-α-fetoprotein as an example, 637

maternal serum-o-fetoprotein as an example, 637
influence of enzymatic kinetic model on selection of reaction conditions for extending the linear range of kinetic methods (L), 1463 influence of LDL particle size on meas. of apolipoprotein B (L), 1139
interferences in current methods for meas. creatinine (SN), 695
interferences with 17-hydroxyprogesterone detn. in amniotic fluid (L), 2154
interlab. comparison of glycohemoglobin results: College of American Pathologists survey data (SN), 1725
interlaboratory comparison of measurements of albumin in urine, 191
interpretations of 5 monoclonal immunoassays of futropin and follitropin: normalization with WHO standard, 415
intra- and interindividual biol. variation of serum concn. of phospholipids (TB), 583
investigation of possible interference by ibuprofen and naproxen patient samples with EMIT® d. a. u. 68 assays for amphetamine, barbiturate, benzodiazepines, and cannabinoid (A), 1009
meas. of 8-hydroxybutyrate in urine on

and cannabinoid (A), 1009
meas. of β-hydroxybutyrate in urine on
Hitachi 705 (A), 947
measuring urinary albumin: precision,

measuring urinary albumin: precision, substances that may interfere, and conditions for sample storage (SN), 2120 microplate washing: physical parameters and process improvement (A), 967 monoclonal antibodies to lutropin: are our immunoassays too specific? (E), 311 monoclonal antibody-based discrepancies between two-site immunometric tests for lutropin (SN), 1745 more on effects of storage time and temp. on measurement of small concns. of albumin in urine (L), 591

measurement of small concns. of albumin in urine (L), 591
multicenter evaln. of enzyme-linked
immunoassays of follitropin and lutropin in
serum or plasma (SN), 1257
non-physiological interferences in external
quality-control samples affecting accuracy
assessment (A), 559
novel [gA antibody to bovine thyrotropin in a
healthy man (L), 306
osteocalcin concns, in plasma prepared with

osteocalcin concns. in plasma prepared with different anticoagulants (SN), 281

possible bias in enzymun thyroxine assay on Boehringer Mannheim ES 300 (A), 1025 possible explanation for decrease in albumin in

stored urine samples (L), 2013
potential problem with standardization of prealbumin (transthyretin) results in

immunoturbidimetry (L), 588
relationships between H NMR properties of
plasma lipoproteins and cancer, 369
restricted electrophoretic heterogeneity of Ig light chain in urine: a cause for confusion with Bence Jones protein, 1570

salivary testosterone and plasma total, non-sex-hormone-binding globulin-bound, and free testosterone in normal and hirsute women during dexamethasone/synthetic corticotropin treatment, 180 serum fructosamine and obesity (L), 2020 signif. differences between arterial and venous

endothelin-like immunoreactivity in plasma (TB), 2012

six methods for direct radioiodination of mouse epidermal growth factor compared: effect of nonequivalence in binding behavior between labeled and unlabeled ligand (SN).

standardization, specificity, and diagnostic sensitivity of four immunoassays for CEA (SN), 231

statistical criteria for separate ref. intervals: race and gender groups in creatine kinase,

studies on covalent bonding of proteins to glass paper (A), 962 synthetic soluble bilirubin derivative to assess

interference in creatinine measurements (SN) 236

temp.-dependent immunoreactive assay to screen for digoxin-like immunoreactive factor(s), 1900

time course of pH regulation in FT₄ detns. in serum (L), 1298 time-integrated meas. of corticosteroids in saliva by oral diffusion sink technol., 1166

saliva by oral diffusion sink technol., 110b towards narrow anal, goals in routine lab, work (L), 596 turbid serum as an analytical medium: Ca detn, as a model (A), 944 ultrafiltration of serum to eliminate bilirubin interference in kinetic Jaffé detn. of

creatinine (TB), 2010

ultrasensitive, specific, two-antibody IRMA that defects free alpha subunits of glycoprotein hormones in blood of nonpregnant humans,

utilitarian procedure to avoid bilirubin interference on creatinine assays (A), 932 variants of prostate-specific antigen sepd. by concanavalin A (L), 1133

(Washington University Case Conference) CA-125 concns. in malignant and nonmalignant disease (CC), 1968

Vasoconstrictors abnormal Na metab. and plasma renin acty. (renal renin secretion) and the vasoconstriction volume hypothesis: implications for pathogenesis and treatment of hypertension and its vascular quences (heart attack, stroke) (S),

adaptation of serum angiotensin-converting enzyme measurement to Hitachi 717 (A),

signif. differences between arterial and venous endothelin-like immunoreactivity in plasma (TB), 2012

Vasopressin role of vasopressin in clin. hypertension and congestive cardiac failure: interaction with the sympathetic nervous system (S), 1828

Veterinary chemistry creatinine determination in veterinary medicine with Reflotron® system (A), 1065 enzymatic fluorometric procedure for phospholipid quantn. with automated

microtiter plate fluorometer (SN), 868
"high-dose hook effect" as a pitfall in quantg-transgene expression in metallothionein-human growth hormone transgenic mice

perfluoro-n-decanoic acid toxicity in rat liver: 2-D electrophoretic anal. (A), 1096

Viruses Abbott Prism: multichannel heterogeneous chemiluminescence immunoassay analyzer

(S), 1540
caveat for molec. biol. diagnosis of papillomavirus (L), 2015
concerns of lab. workers (A), 895
current testing for hepatitis C (A), 1101
epidemiology and virology of HIV and related viruses (A), 894
improved amplification of cytomegalovirus
DNA from urine after purification of DNA with glass beads, 1945
mol. approaches to infectious disease diagnosis: strengths and pitfalls (A), 608
monoclonal and oligoclonal gammopathies in heart-transplant recipients, 1334
optimizing PCR technol. for clin. diagnosis (E), 1893

plasma neopterin as adjunct to C-reactive protein in assessing infection, 2038
prevalence of non-A, non-B hepatitis/hepatitis
C virus antibody in lab. quality-assurance

quantn. of virus-specific antibodies in CSF and serum: sensitive and specific detection of antibody synthesis in brain, 1153

rapid electrochemiluminescence assays of PCR products, 1626

products, 1920 serologic and immunologic assessment of HIV infection (A), 1101 serological diagnosis with recombinant peptides/proteins (E), 1667

Vitamin A

fitamin A
development of simple, sensitive, specific, and
precise micro HPLC method for meas. of
vitamin A and E in neonatal serum (A), 984
relationship of selected clin. factors to plasma
vitamin A levels in patients with upper
gastrointestinal malignancies (A), 986
vit. A deficiency in children (A), 1105

Vitamin B₁₂ evaln. of automated non-isotopic immunoassay for measurement of serum vitamin B12 (A), 978 pediatric ref. ranges for vitamin B12 and folate

(A), 989

Vitamin B effect of gentamicin on plasma pyridoxal-5'-phosphate levels with and without vitamin B6 supplementation in rabbit model (A), 1067

Vitamin E development of simple, sensitive, specific, and precise micro HPLC method for meas. of

ritamin A and E in neonatal serum (A), 984 Western blot

Vestern blot
comparison of two FDA licensed HIV-1
western blot kits (A), 1028
development of ELISA for estimation of human
apolypoprotein A-1 in plasma without need
for denaturation (A), 923
development of monoclonal antibody-based
ELISA for quantn. of Lp(a) in plasma (A), 918
evals of two enzyme impunosessys for

evaln. of two enzyme immunoassays for detection of anti-HIV 1 or anti-HIV 2 and for differentiation between these antibodies

A). 1036

Xanthine oxidase automation and clin. appln. of xanthine oxidase and free radical scavenger enzymes (A), 1070

direct chem. evidence of oxyradical damage in hepatocyte suspensions exposed to xanthine oxidase and hypoxanthine (A), 1070

Zidovudine
coupled HPLC/RIA for zidovudine metabolites
in leucocytes (A), 1018
lack of correlation of phosphorylated
zidovudine in patient leucocytes with ZDV
dose and serum concentration (A), 992

longitudinal study of magnesium, manganese, and zinc in blood components from Type I diabetic children (A), 984

Zinc coproporphyrin
isolation and characterization of Zn
coproporphyrin I: major fluorescent
component in meconium, 1173

Zinc protoporphyrin clin. sensitivity of zinc protoporphyrin as screening procedure for lower-level lead-poisoned urban children (A), 989

